

Health and Disparities in Washington

Governor's Interagency Council on Health Disparities

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PUBLIC HEALTH
ALWAYS WORKING FOR A SAFER AND
HEALTHIER COMMUNITY



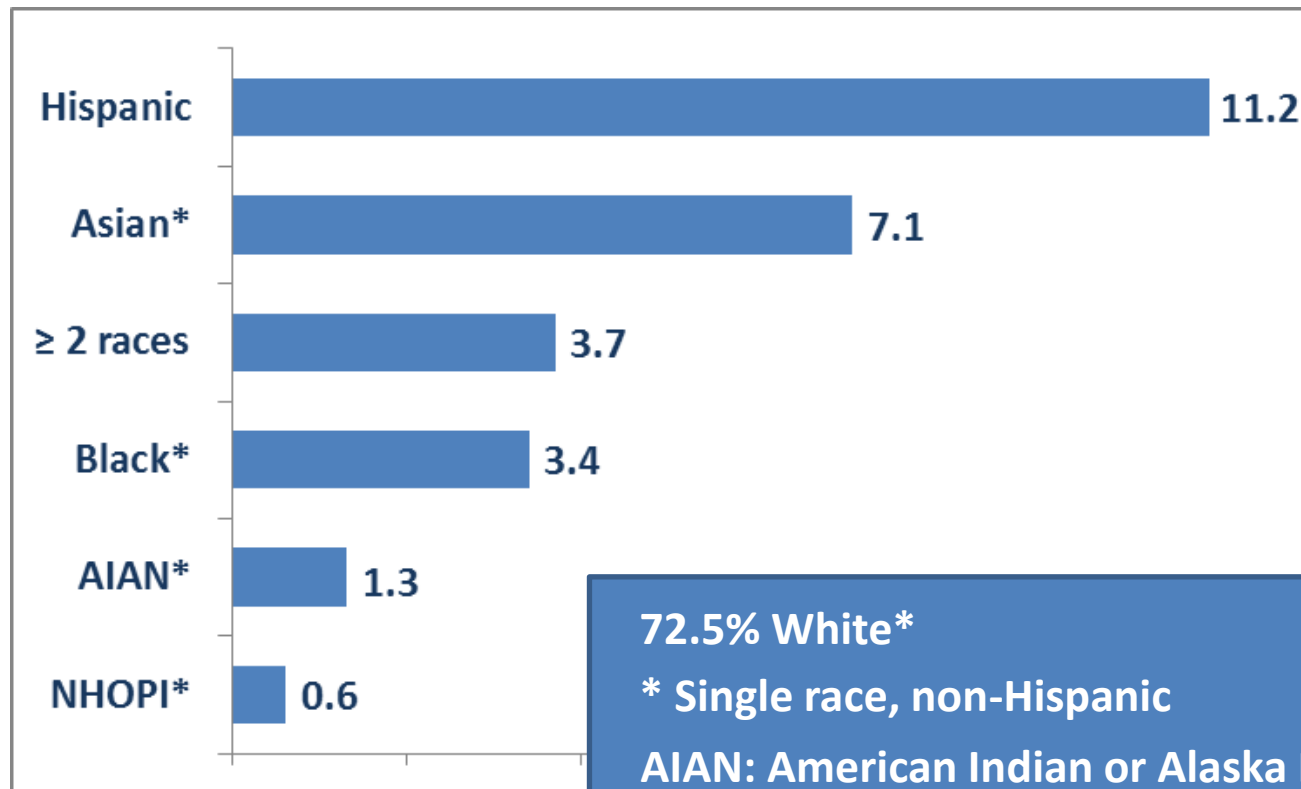
What we will cover:

- Demographics
- Conceptual framework of how inequities arise
- Social Determinants of Health
- Causes of death and disease
- Risk factors that impact health

Who are we?

Almost 6.9 million people in 2013 (OFM Population Estimates)

2010 U.S. Census showed...



72.5% White*

*** Single race, non-Hispanic**

AIAN: American Indian or Alaska Native

NHOPI: Native Hawaiian or Other Pacific Islander

Who are we?

2010

- About 12% ages 65 and older – 1 in 8
- About 26% ages 19 and younger

2020

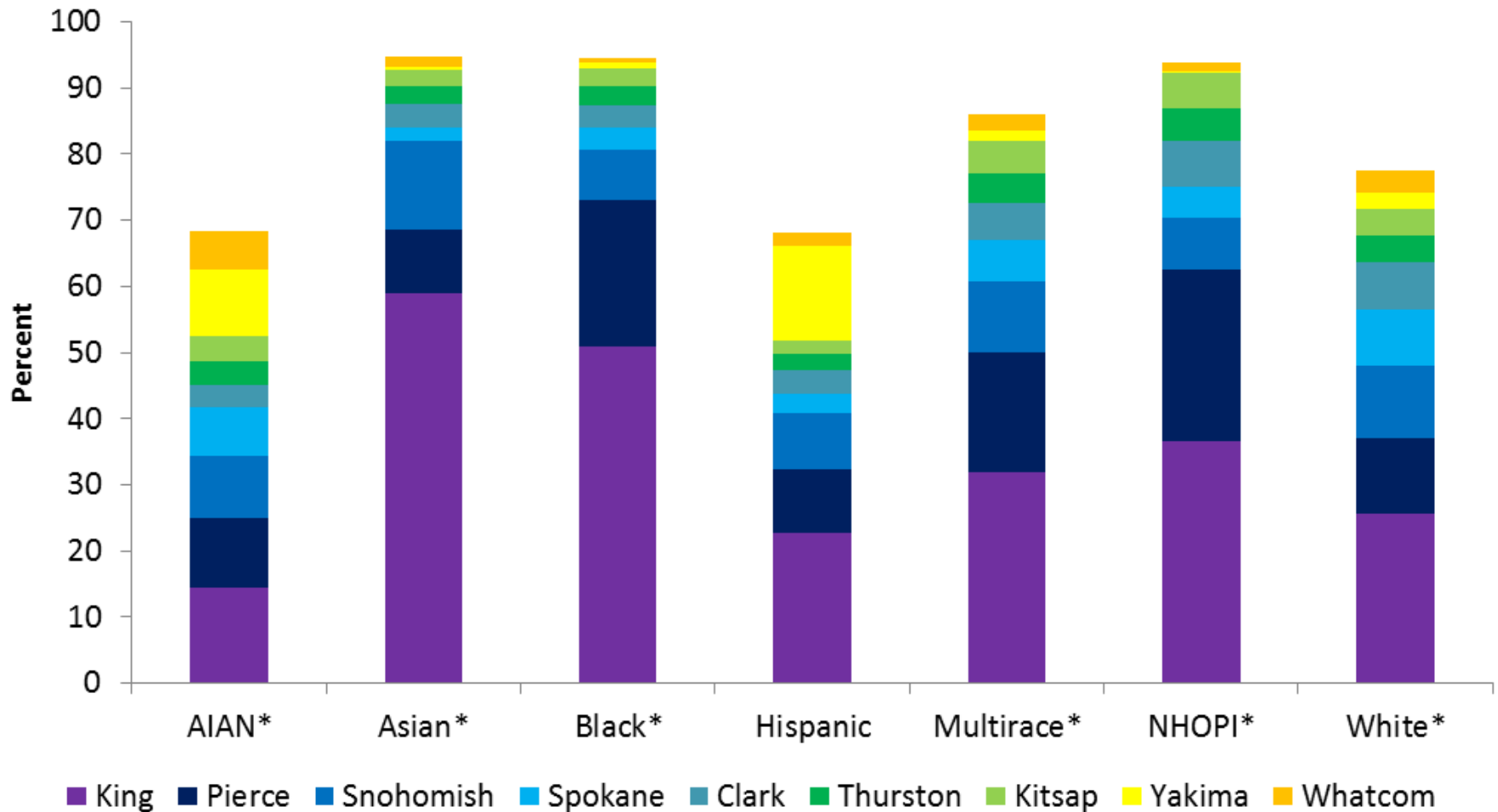
- About 17% ages 65 and older – 1 in 6
- About 25% ages 19 and younger

2030

- About 21% ages 65 and older – 1 in 5
- About 24% ages 19 and younger

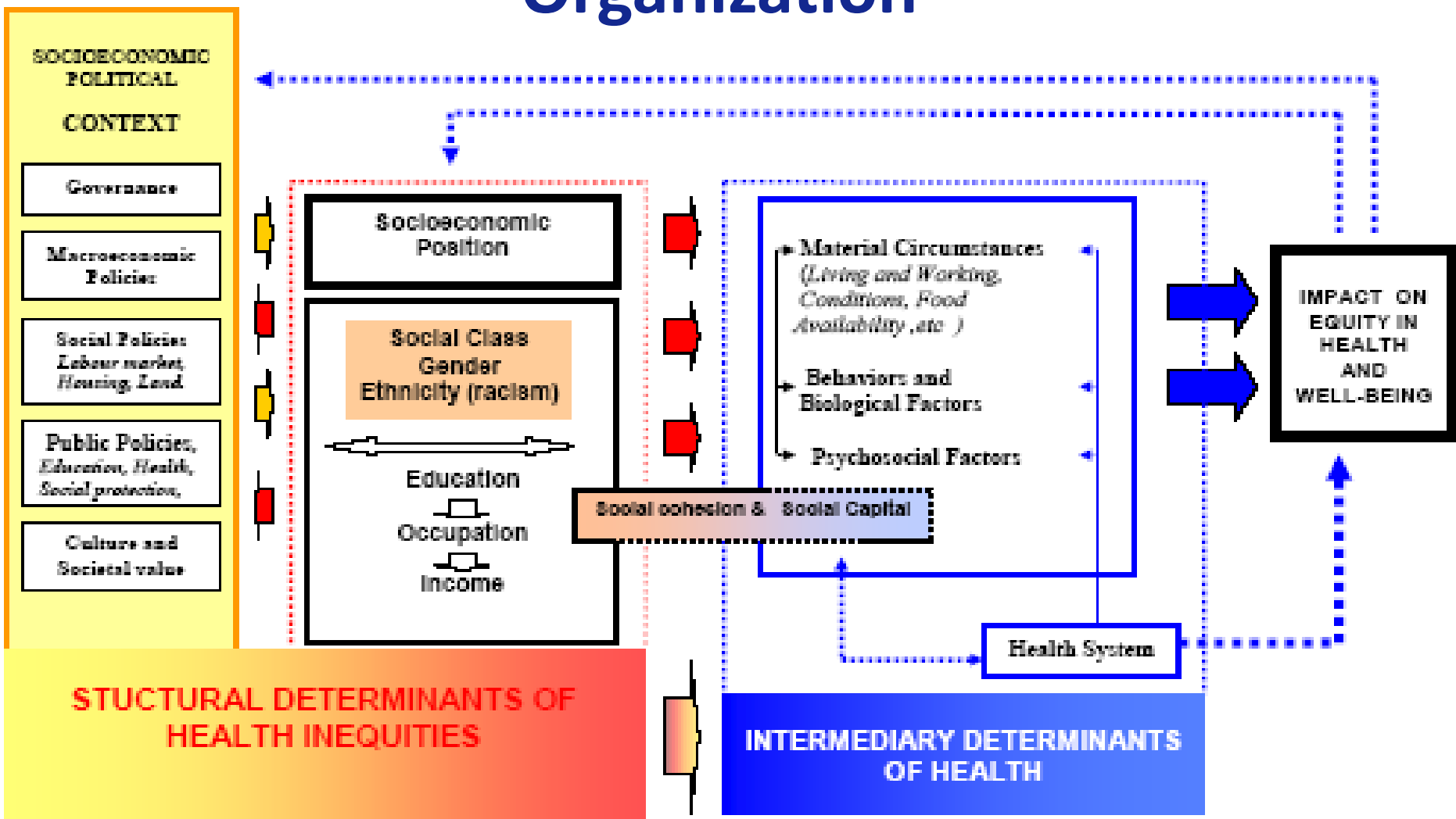
Where are we?

Percent of Race/Ethnic Groups in 9 most Populous WA Counties



*Single race, Non-Hispanic

Conceptual Framework: World Health Organization



Conceptual Framework Simplified

Social,
economic
and
cultural
settings

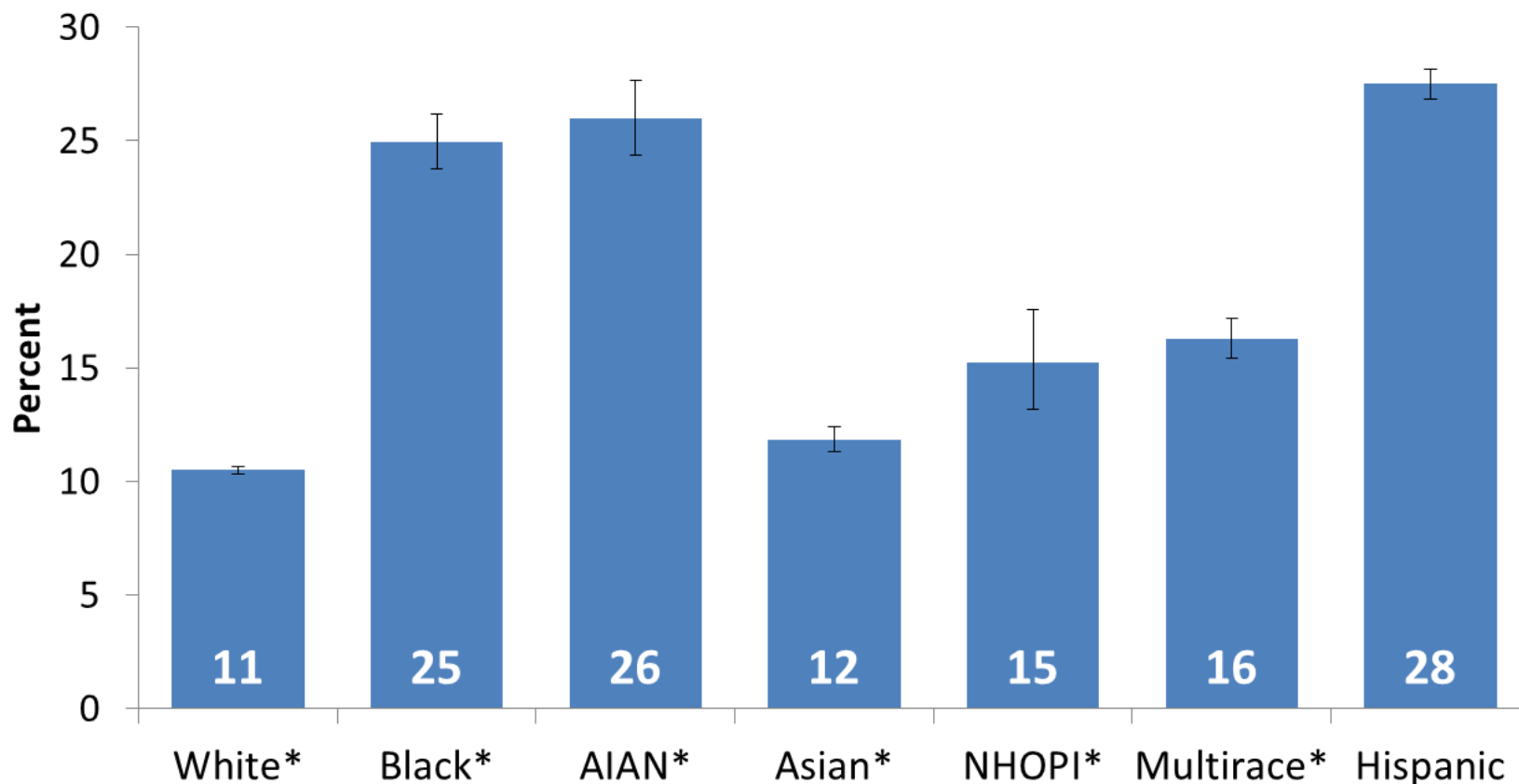
influence

Health-
related
behaviors
and
access to
care

affect

Morbidity
and
mortality

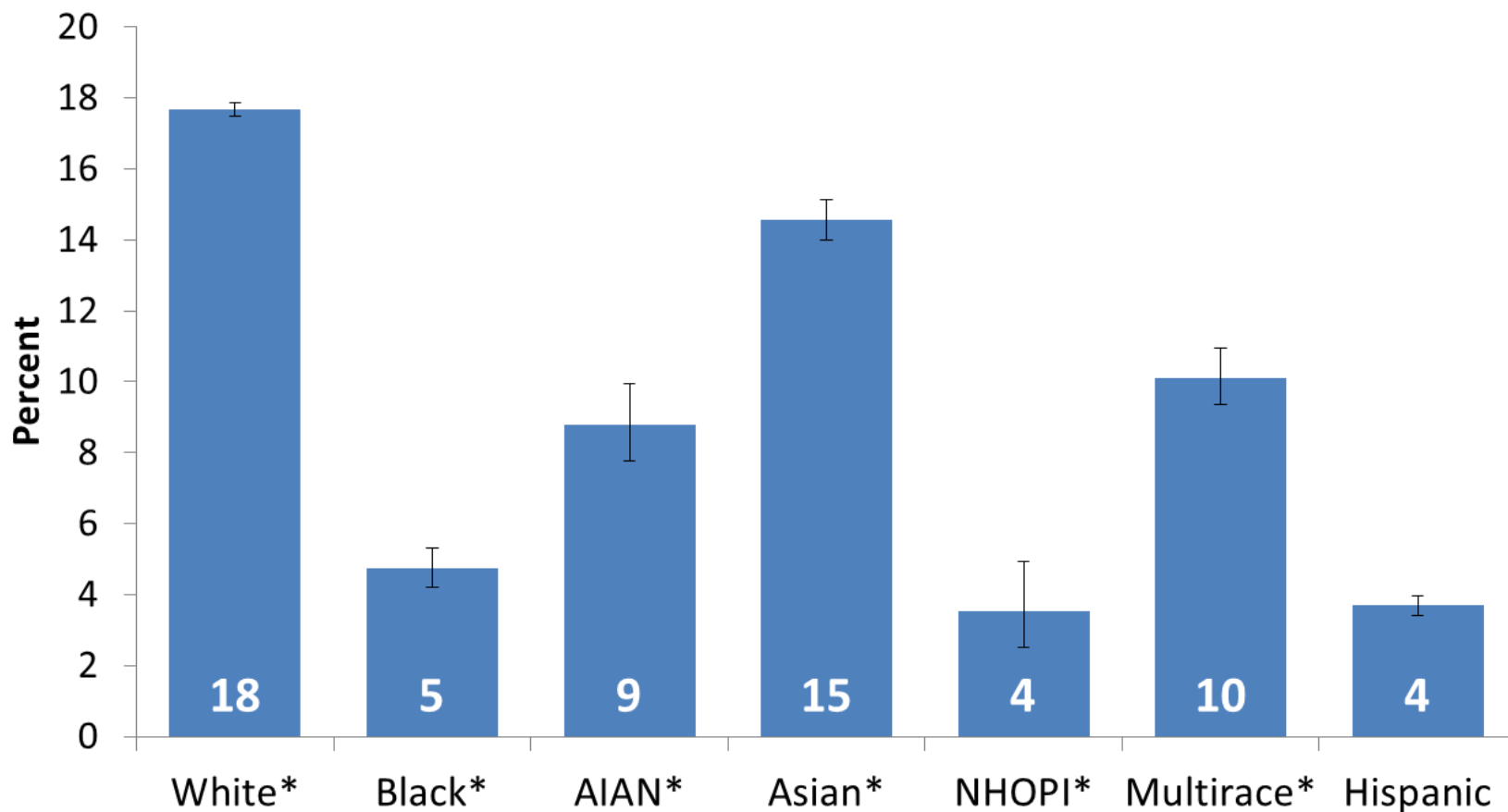
Income below Poverty by Race/Ethnicity, Washington, 2009-2013



* Non Hispanic

Source: American Community Survey PUMS, 2009-2013

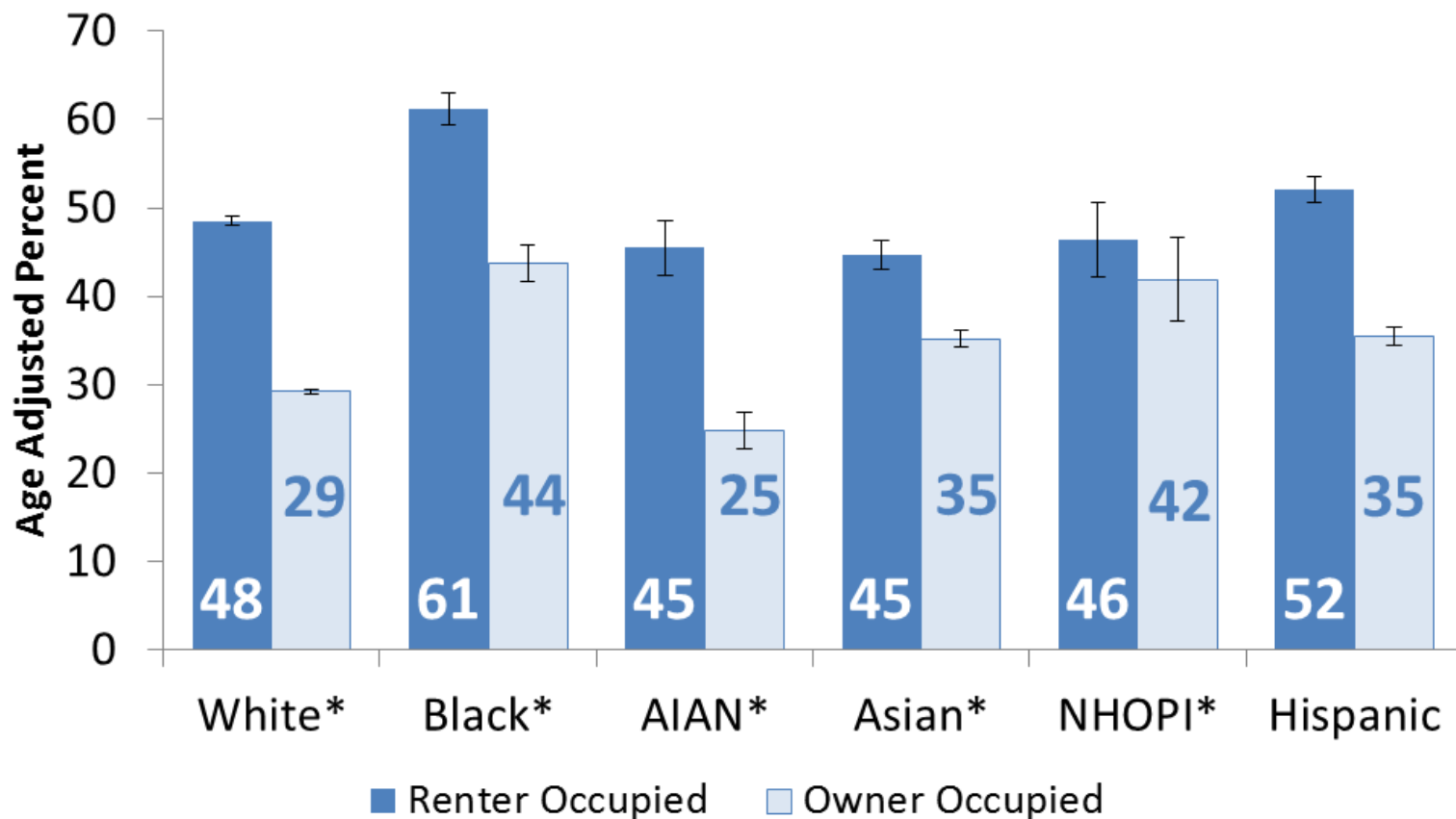
Rent, Dividend or Interest Income by Race/Ethnicity, Washington, 2009-2013



* Non Hispanic

Source: American Community Survey PUMS, 2009-2013

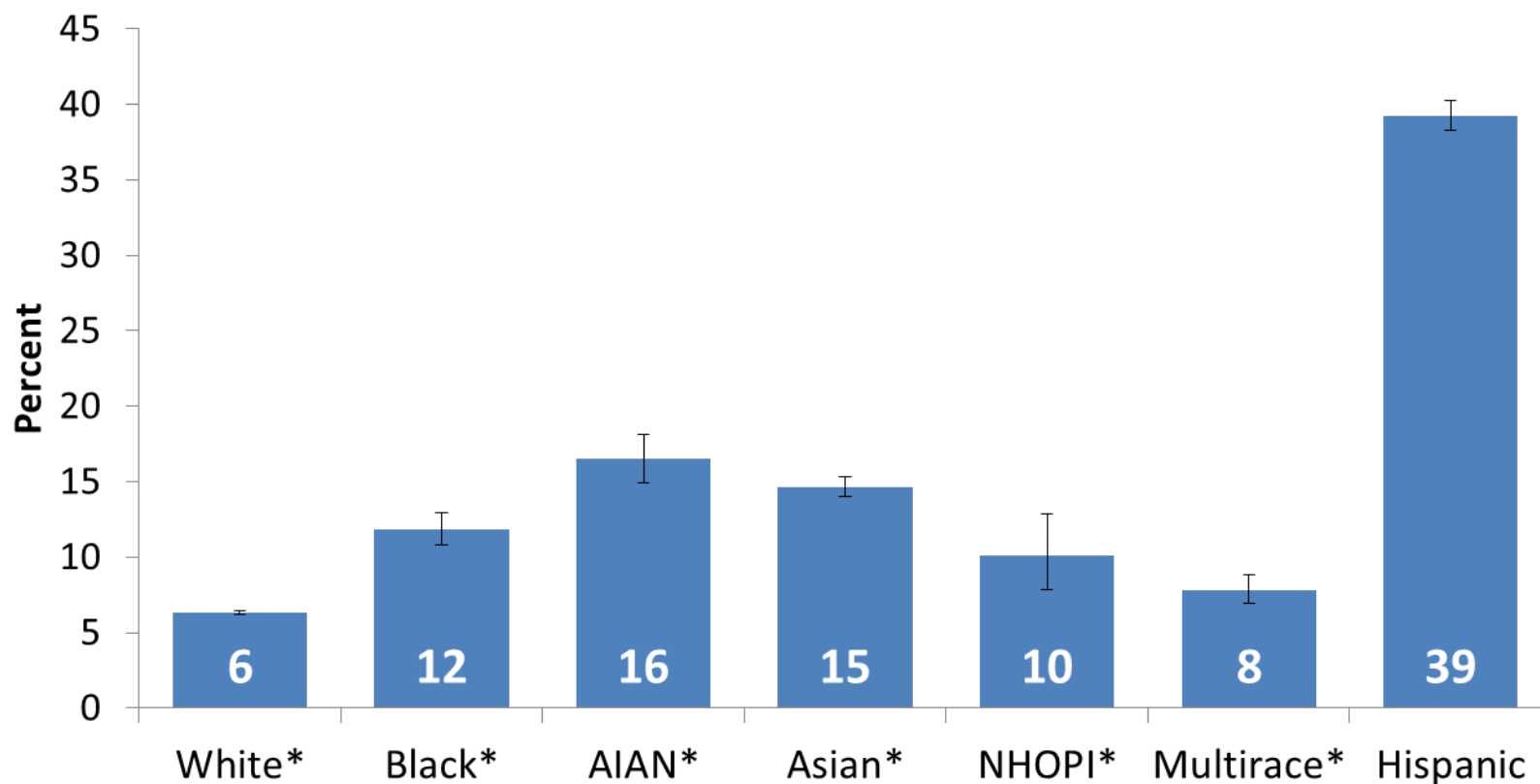
Affordable Housing by Race/Ethnicity, Washington, 2009-2013



* Non-Hispanic

Source: American Community Survey, 2011-2013

Less than High School Education** by Race/Ethnicity, Washington, 2009-2013

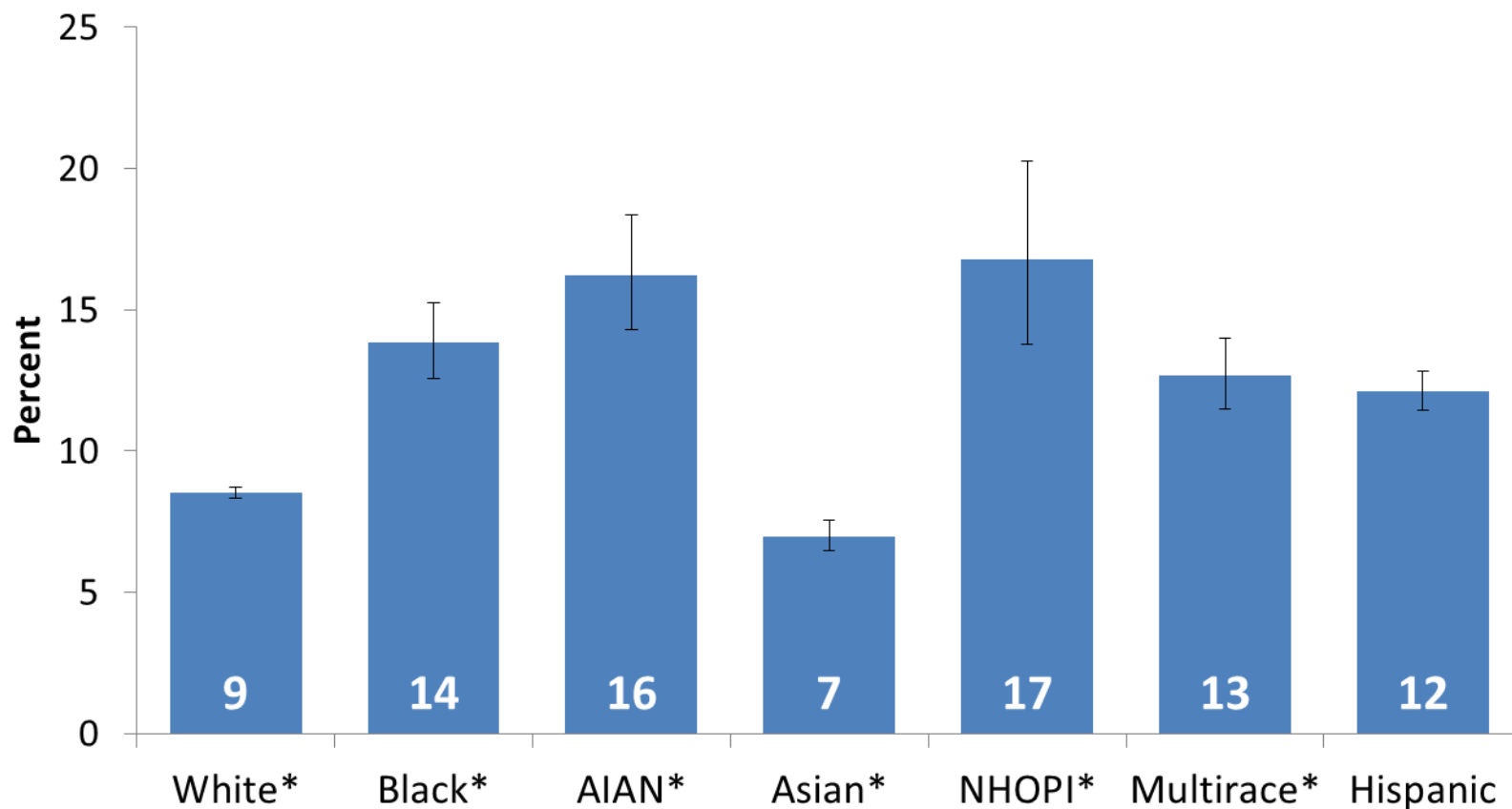


* Non Hispanic

** Ages 25+

Source: American Community Survey PUMS, 2009-2013

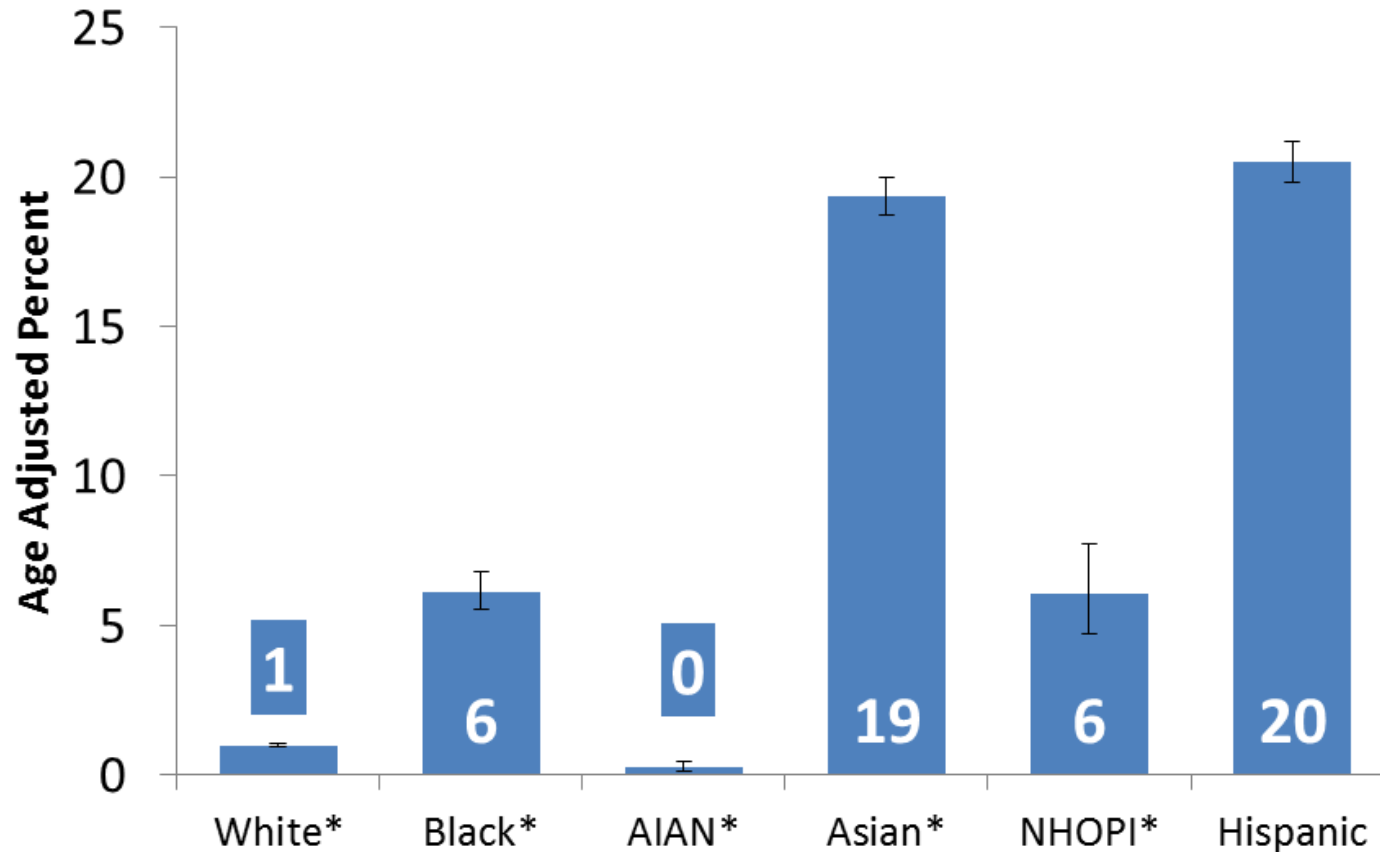
Unemployment by Race/Ethnicity, Washington, 2009-2013



* Non Hispanic

Source: American Community Survey PUMS, 2009-2013

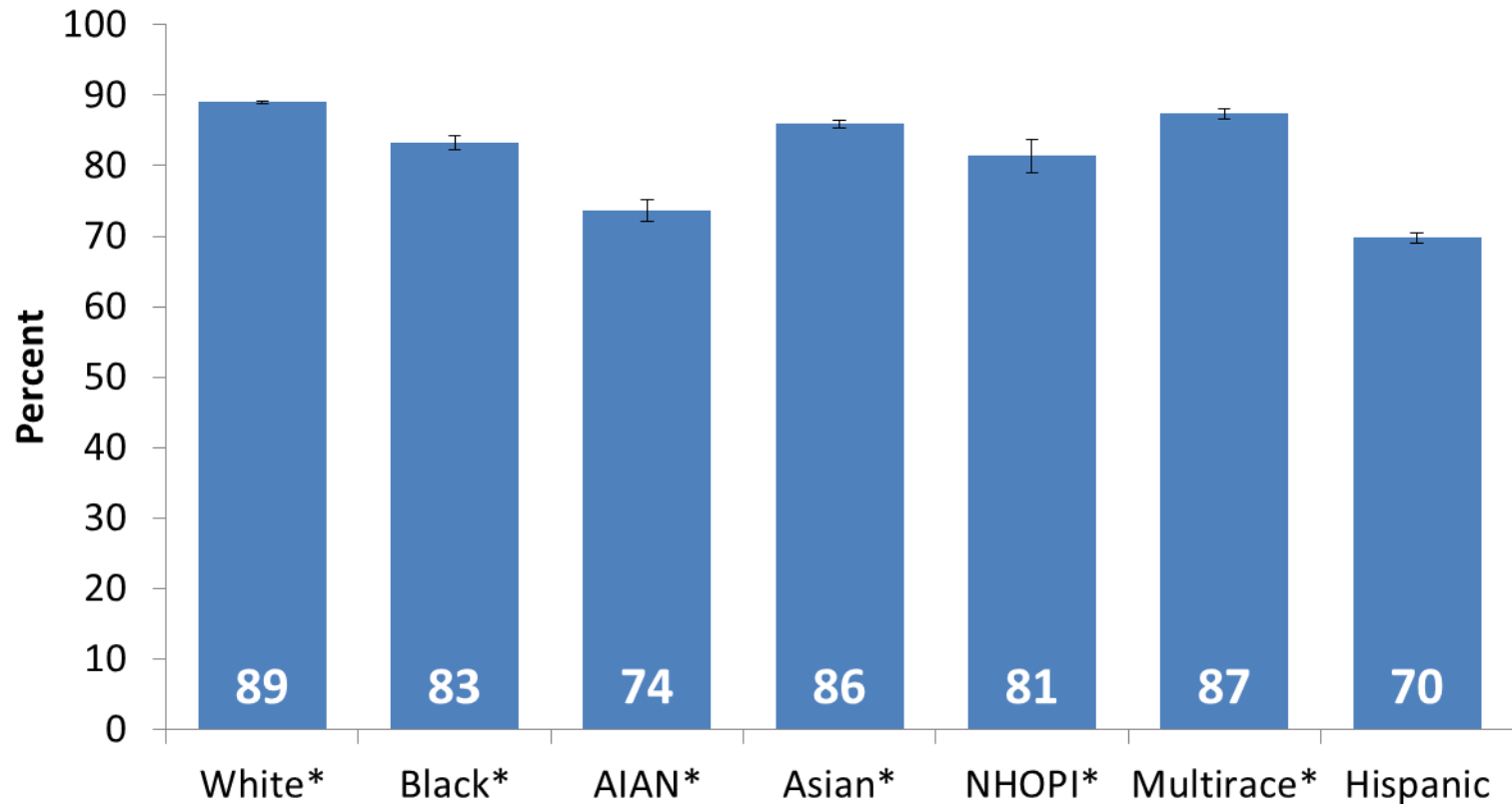
Linguistic Isolation Washington, 2009-2013



* Non-Hispanic

Source: American Community Survey PUMS, 2009-2013

Health Insurance by Race/Ethnicity, Washington, 2009-2013



* Non Hispanic

Source: American Community Survey PUMS, 2009-2013

Social Determinants by Race/Ethnicity

Black*

- Low income
- Low wealth
- Lack affordable housing
- High unemployment

AIAN*

- Low income
- High unemployment
- Low health insurance

Asian*

- Linguistic isolation

NHOPI*

- Low wealth
- High unemployment

Hispanic

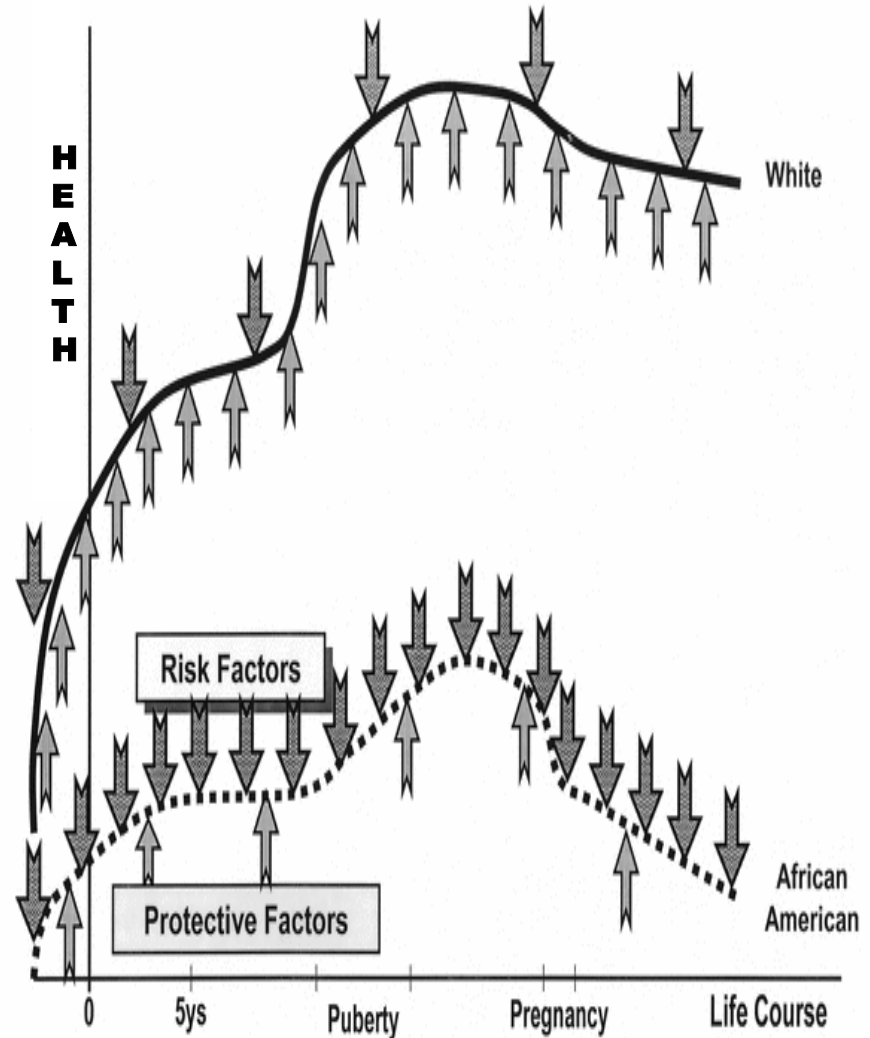
- Low income
- Low wealth
- Low education
- Low health insurance
- Linguistic isolation

White*

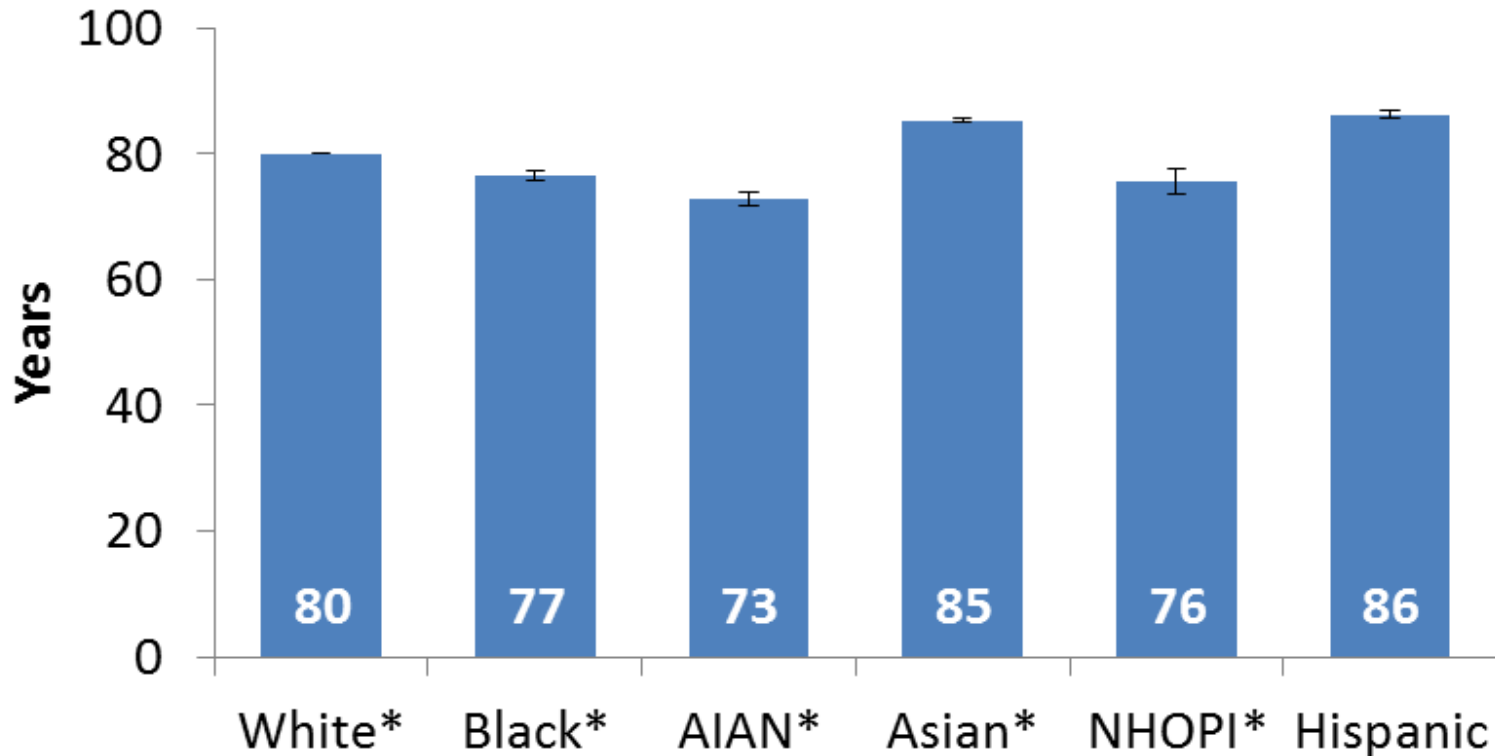
* Non-Hispanic

Life Course Perspective

- One stage affects the next trajectory
- Cumulative burden
- Sensitive OR critical periods
- Together they explain health inequities



Life Expectancy at Birth, Washington 2013

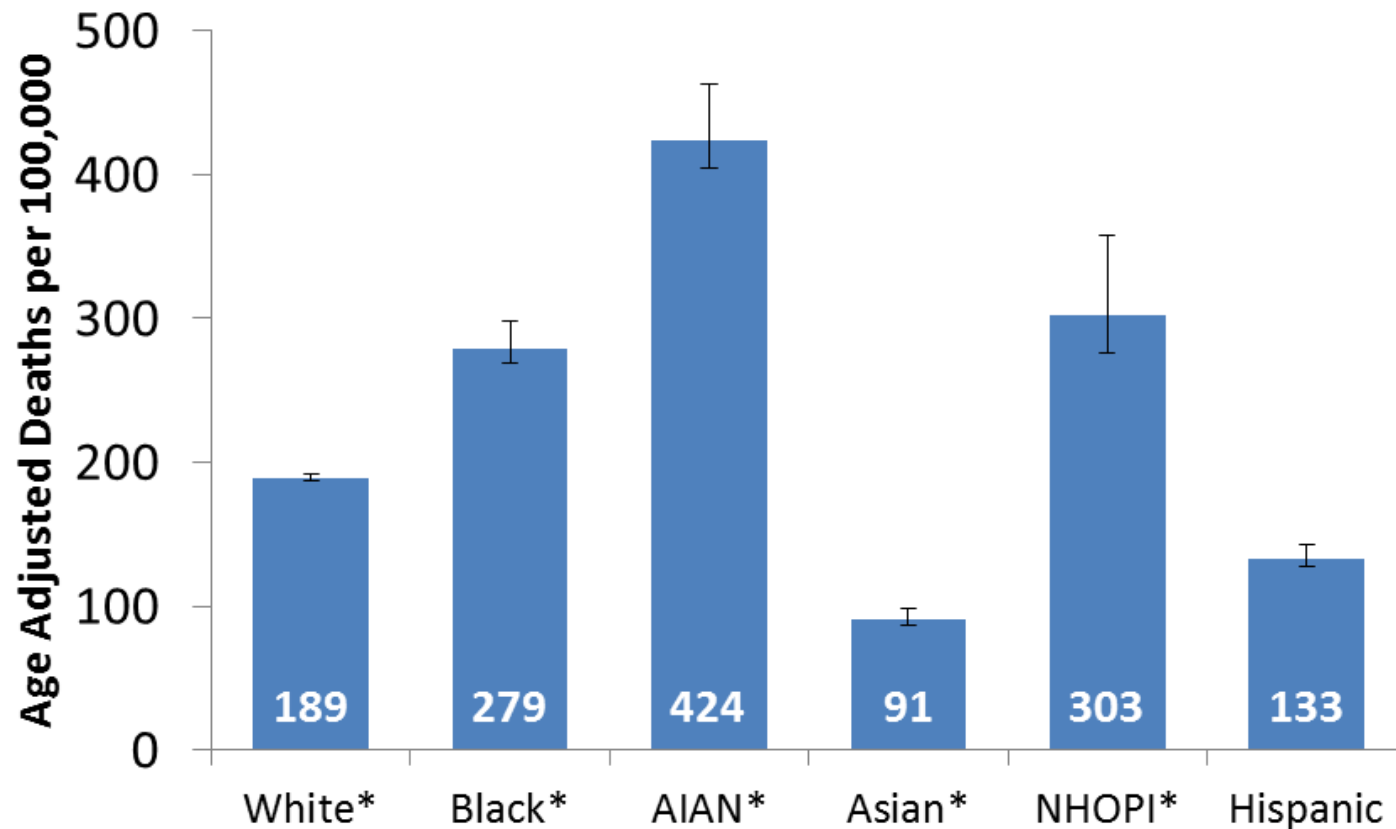


*Single race, Non-Hispanic

Source: Washington State Death Certificates, 2013

Premature Mortality Rate - < 65 years

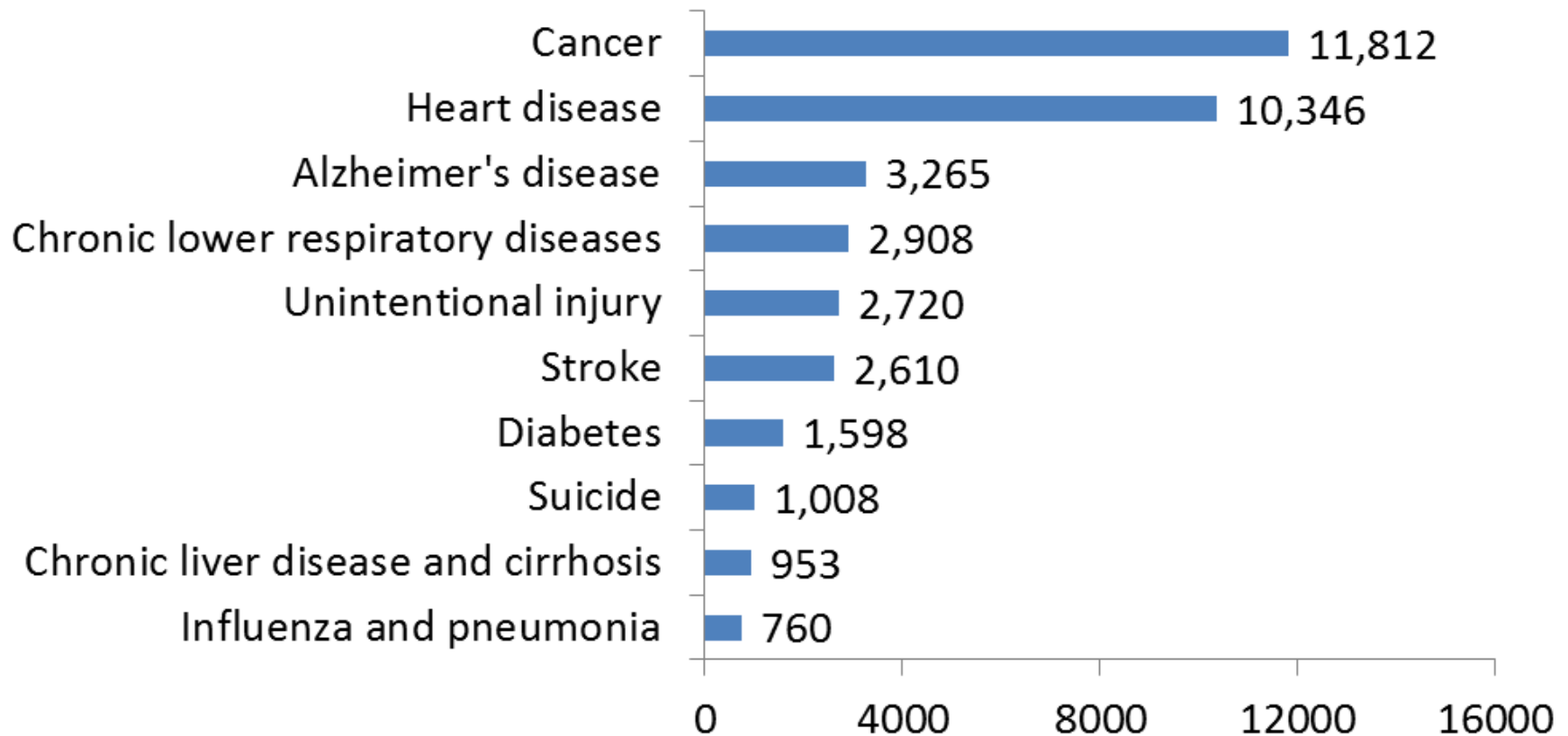
Washington 2009-2013



*Single race, Non-Hispanic

Source: Washington State Death Certificates, 2013

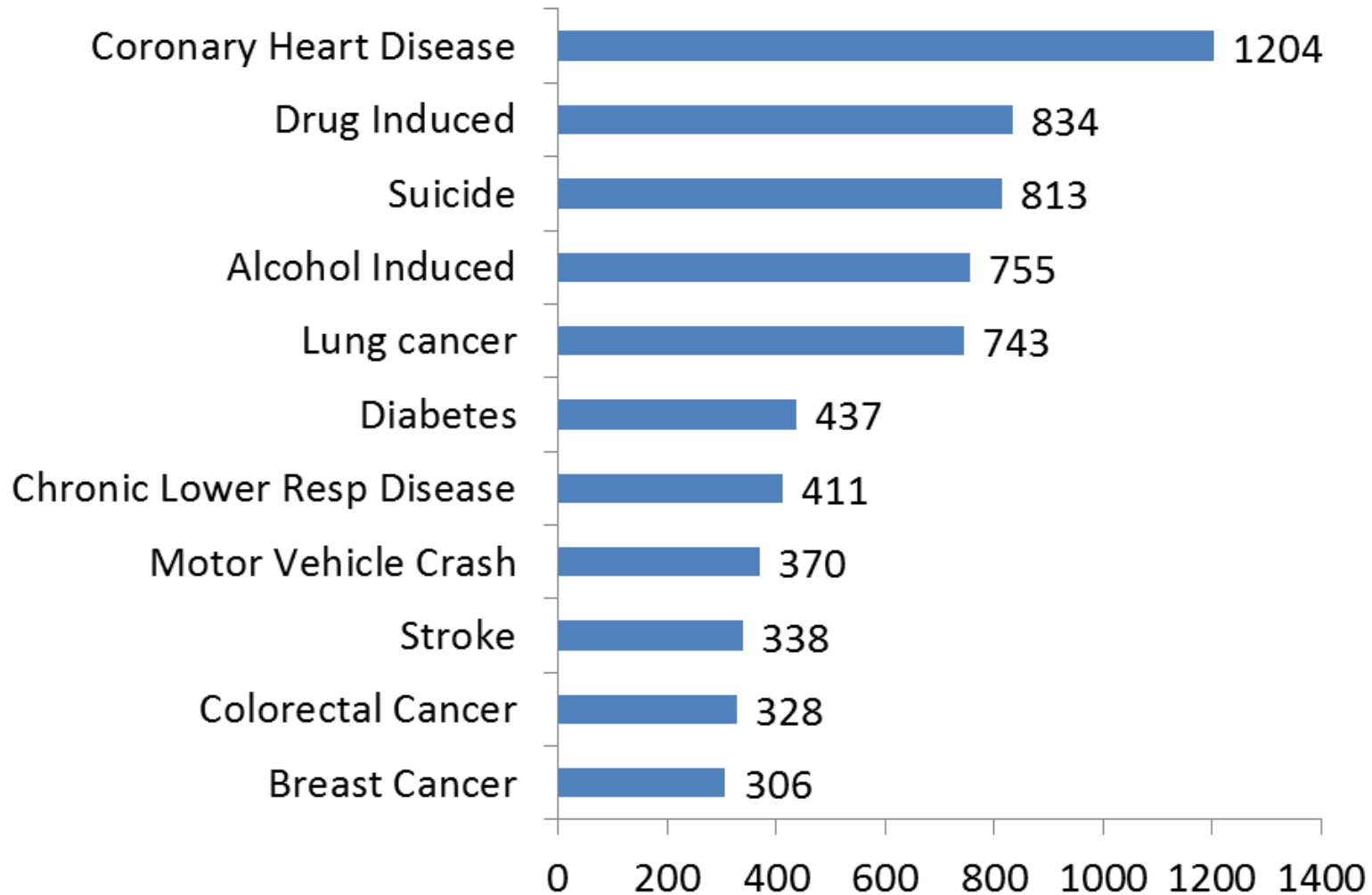
Leading Causes of Death, Washington 2013



National Center for Health Statistics, major categories

Source: Washington State Death Certificates, 2013

Underlying Cause of Death, Washington 2013, Ages 0-64 years



Source: Washington State Death Certificates, 2013

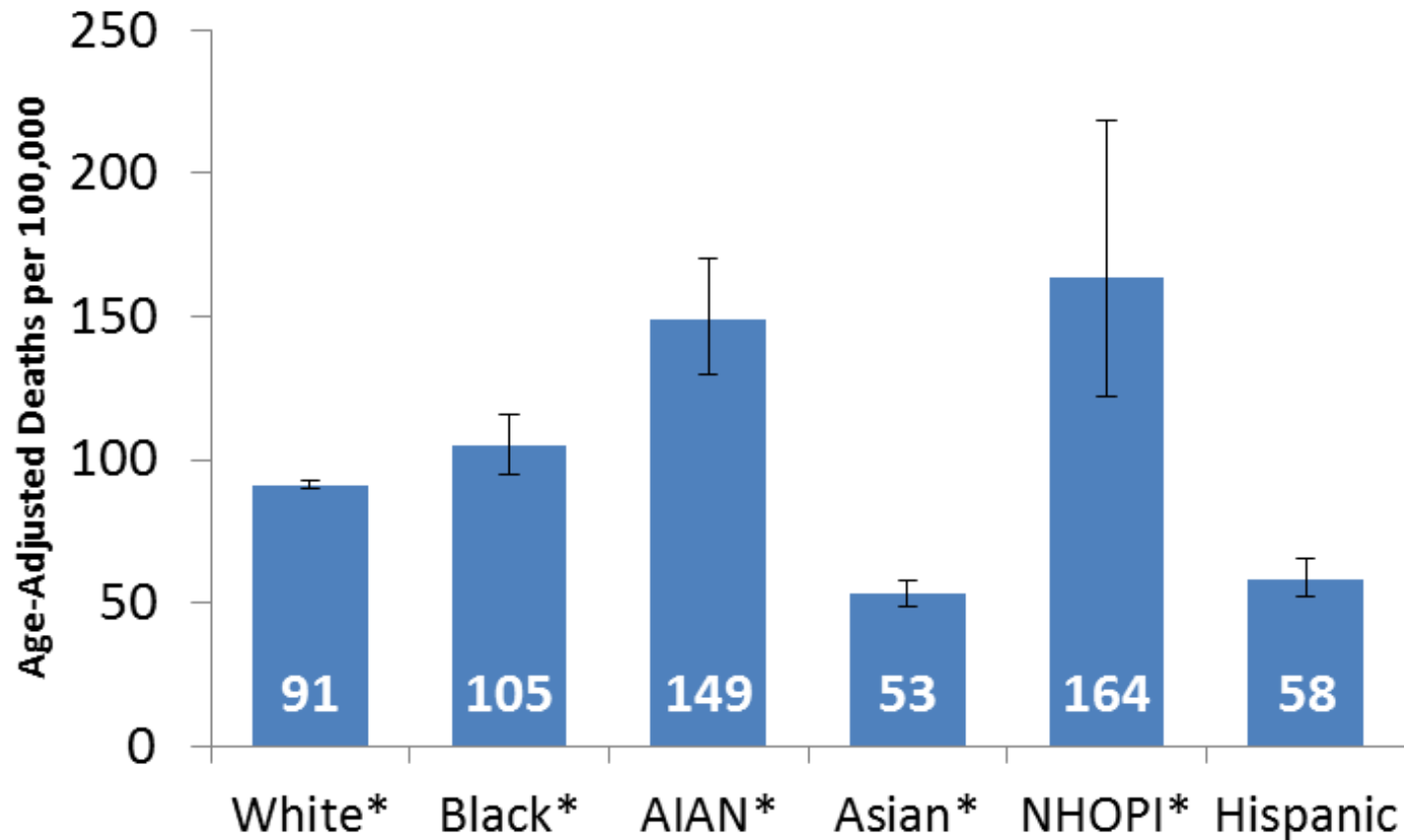
Comparison Deaths and Hospitalizations Washington 2013, < 65 yrs

	Deaths	Hospitalization	Hosps/Death
Coronary Heart Disease	1204	21,804	18
Drug Abuse and Dependence	956	33,679	35
Suicide	813	3,675	5
Alcohol Abuse and Dependence	755	21,102	28
Lung Cancer	743	1,997	3
Diabetes	437	45,692	105
Chronic Lower Lung Disease	411	43,025	105
Motor Vehicle	370	3,252	9
Stroke	338	9,364	28
Hepatitis	161	9,903	62
Pneumonia/Influenza	106	16,038	151

Note: Hospitalizations are not unduplicated

Source: Washington State Death Certificates and Hospitalizations, 2013

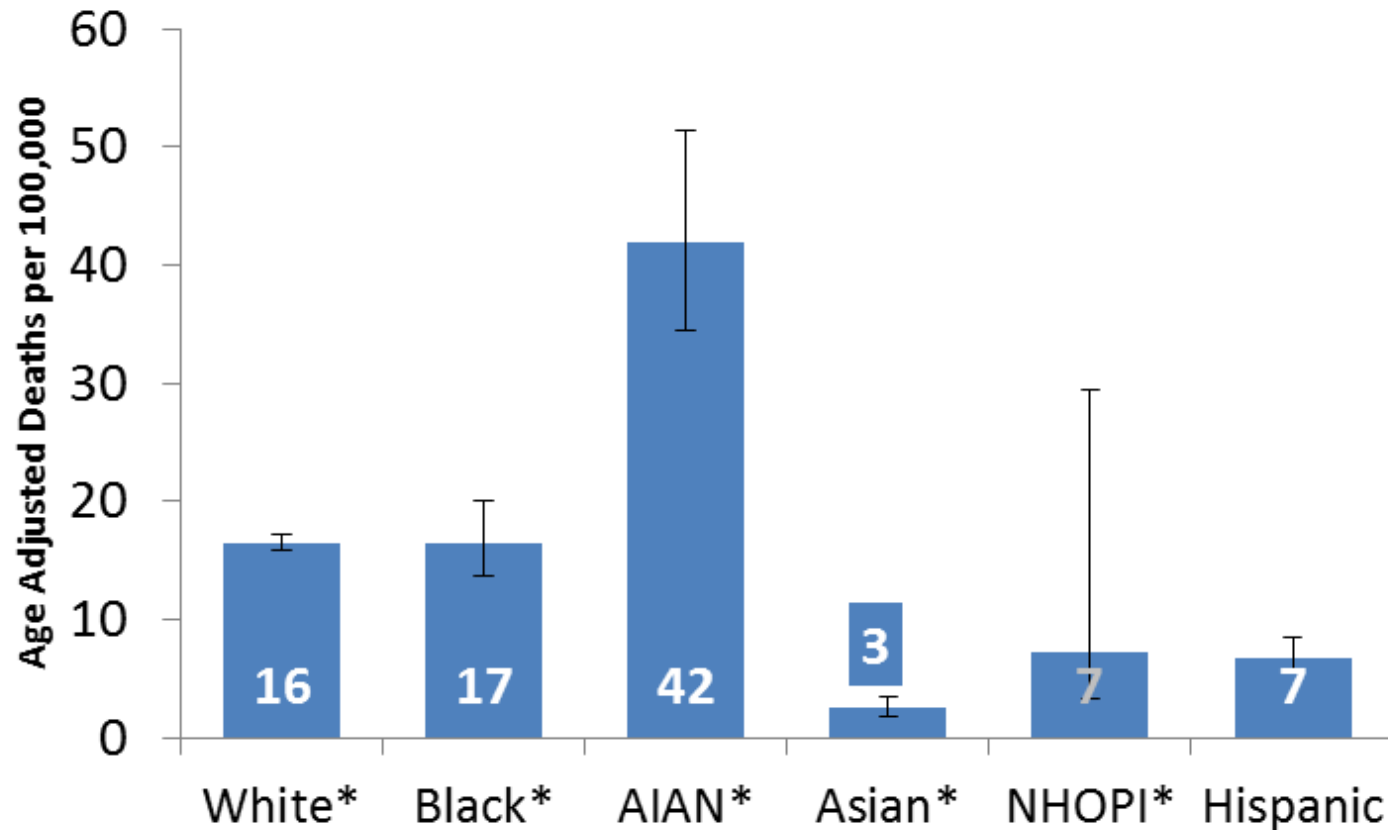
Coronary Heart Disease Deaths Washington 2011-2013



* Non-Hispanic

Source: Washington State Death Certificates, 2013

Drug-Induced Deaths Washington 2011-2013

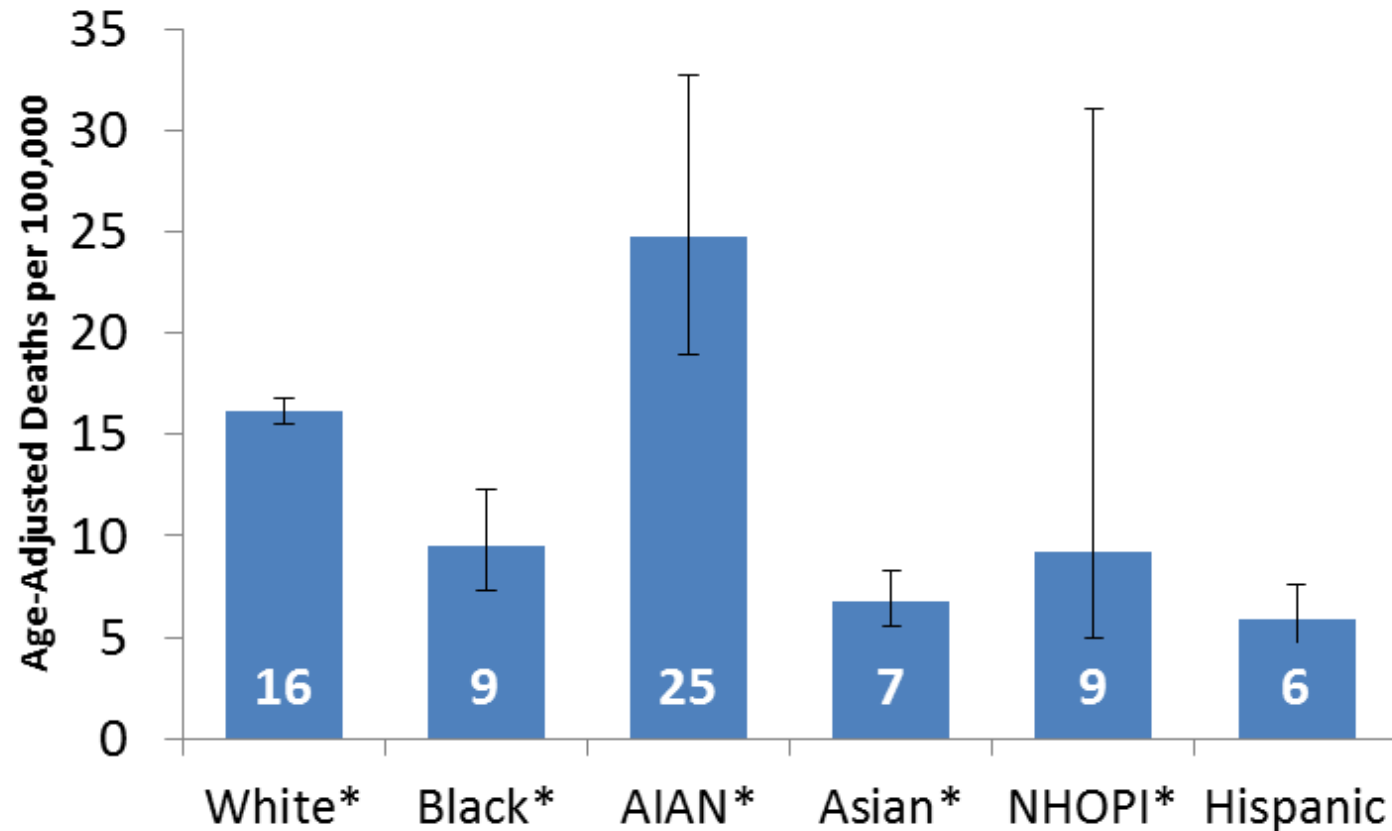


* Non-Hispanic

Source: Washington State Death Certificates, 2013

Suicide Deaths

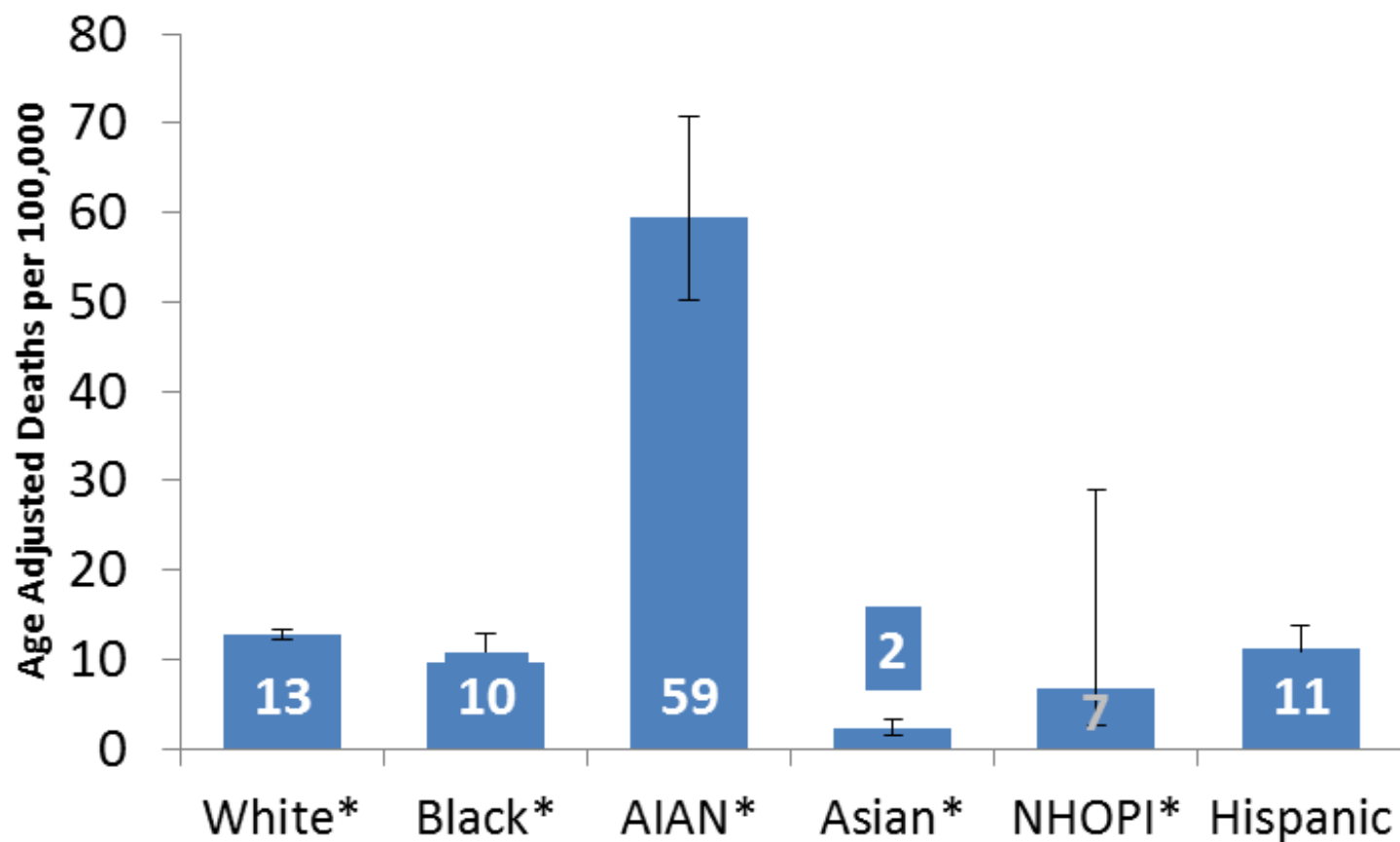
Washington 2011-2013



* Non-Hispanic

Source: Washington State Death Certificates, 2013

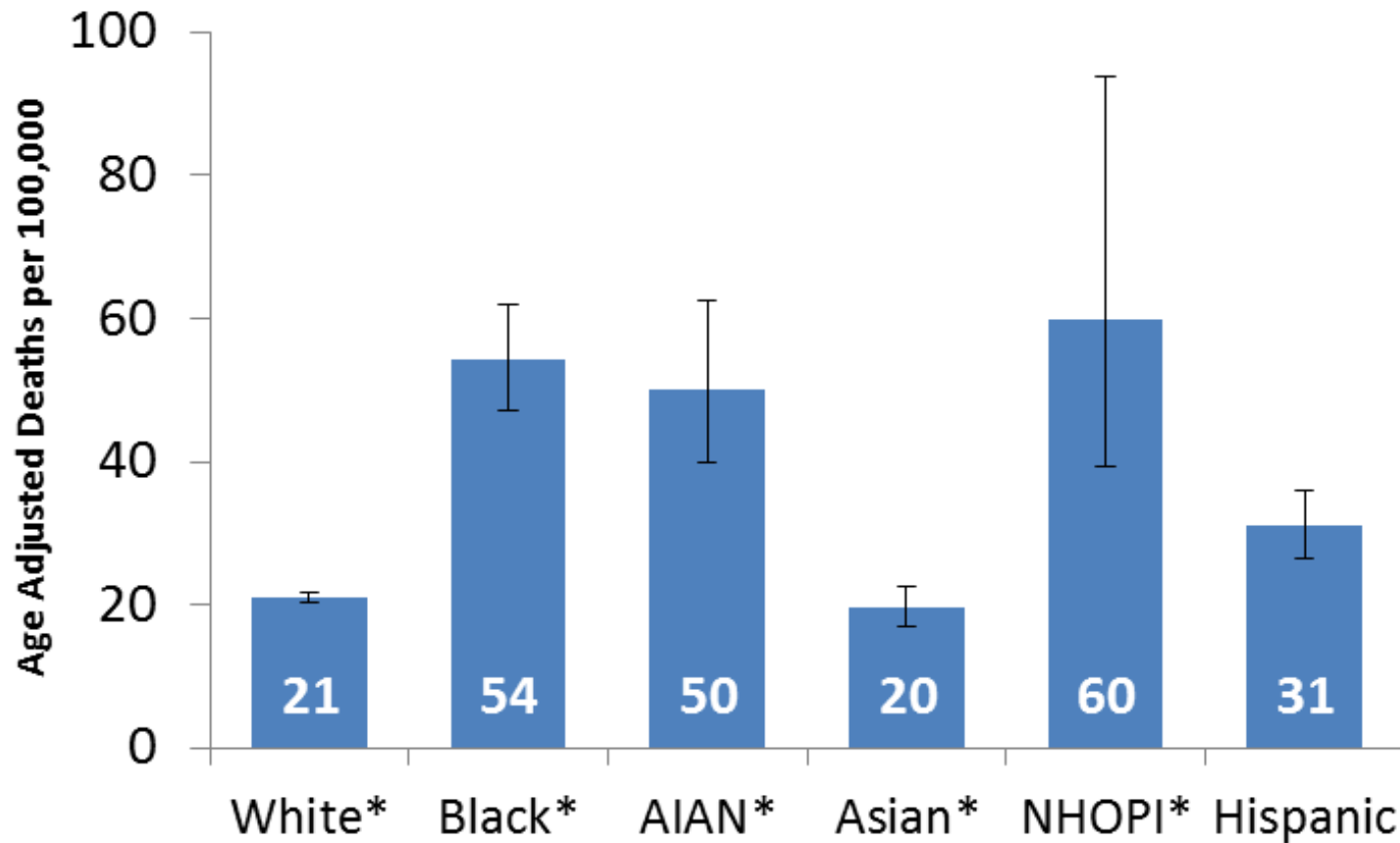
Alcohol-Induced Deaths Washington 2011-2013



* Non-Hispanic

Source: Washington State Death Certificates, 2013

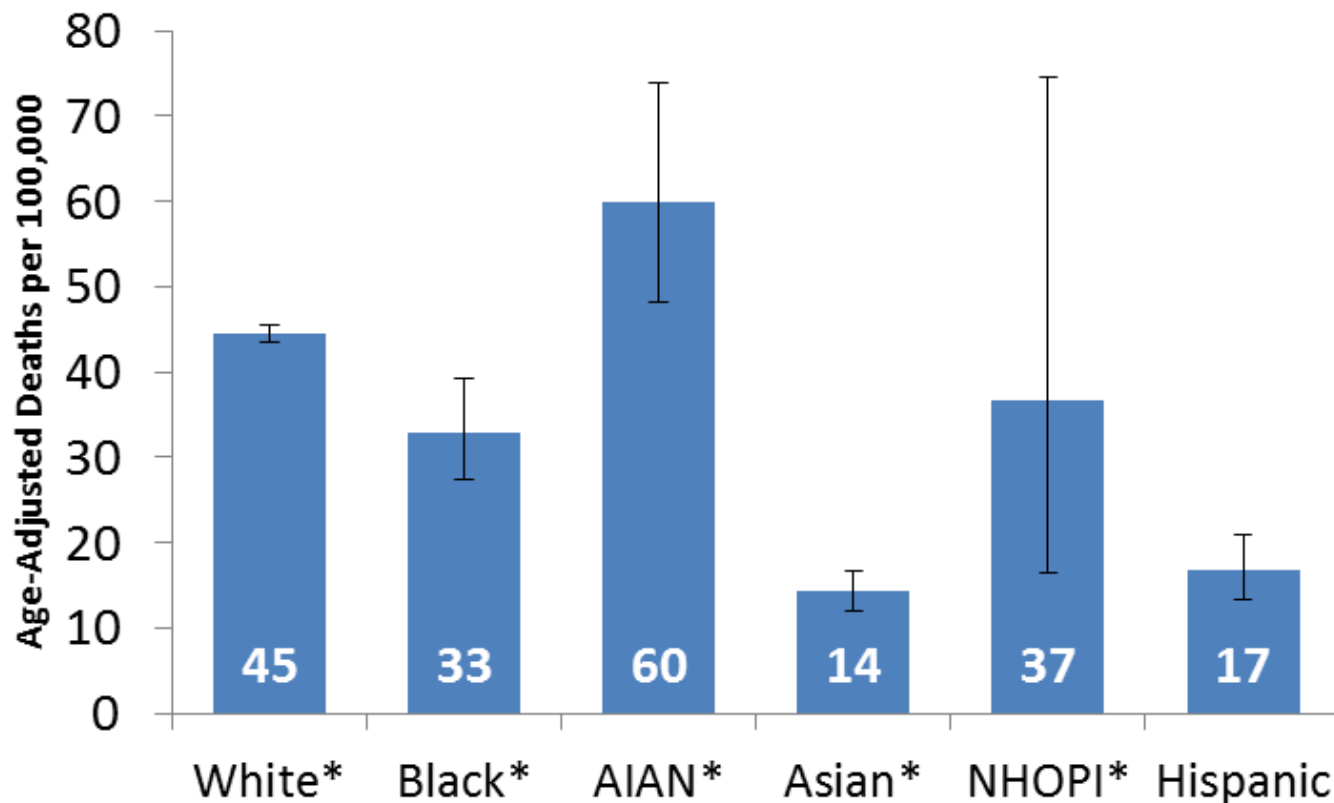
Diabetes Deaths Washington 2011-2013



* Non-Hispanic

Source: Washington State Death Certificates, 2013

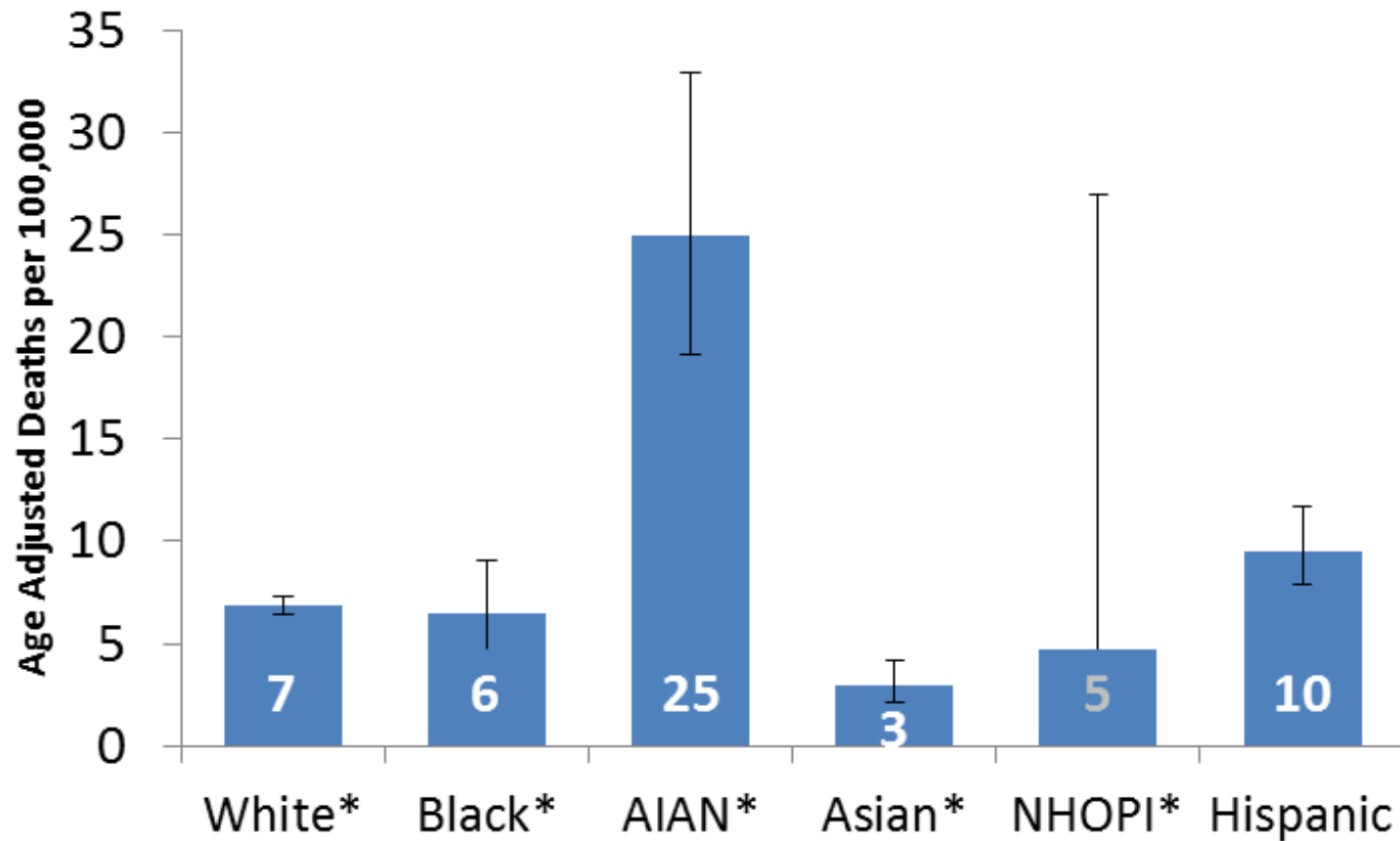
Chronic Lower Respiratory Disease Deaths Washington 2011-2013



* Non-Hispanic

Source: Washington State Death Certificates

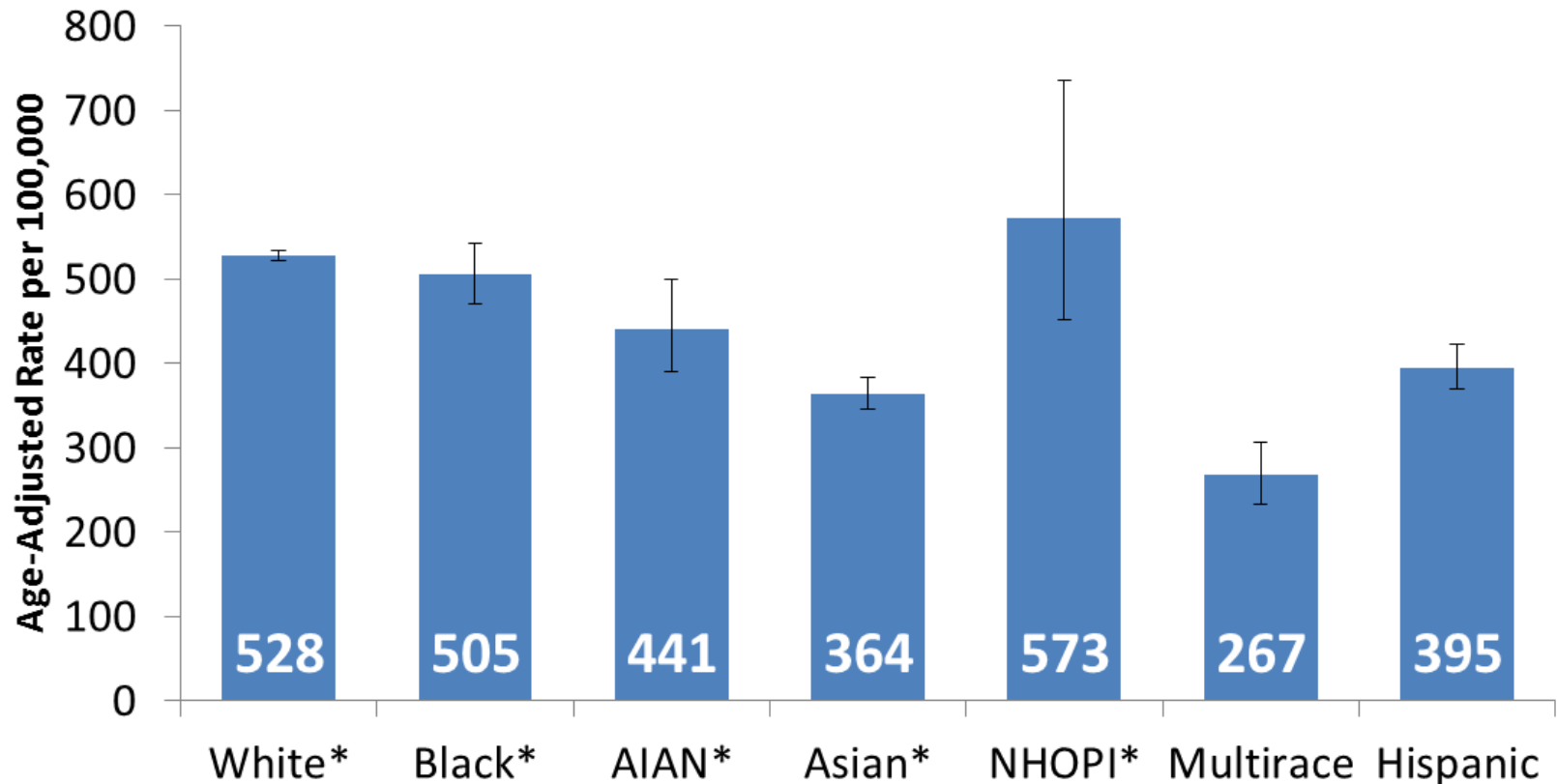
Motor Vehicle Crash Deaths Washington 2011-2013



* Non-Hispanic

Source: Washington State Death Certificates, 2013

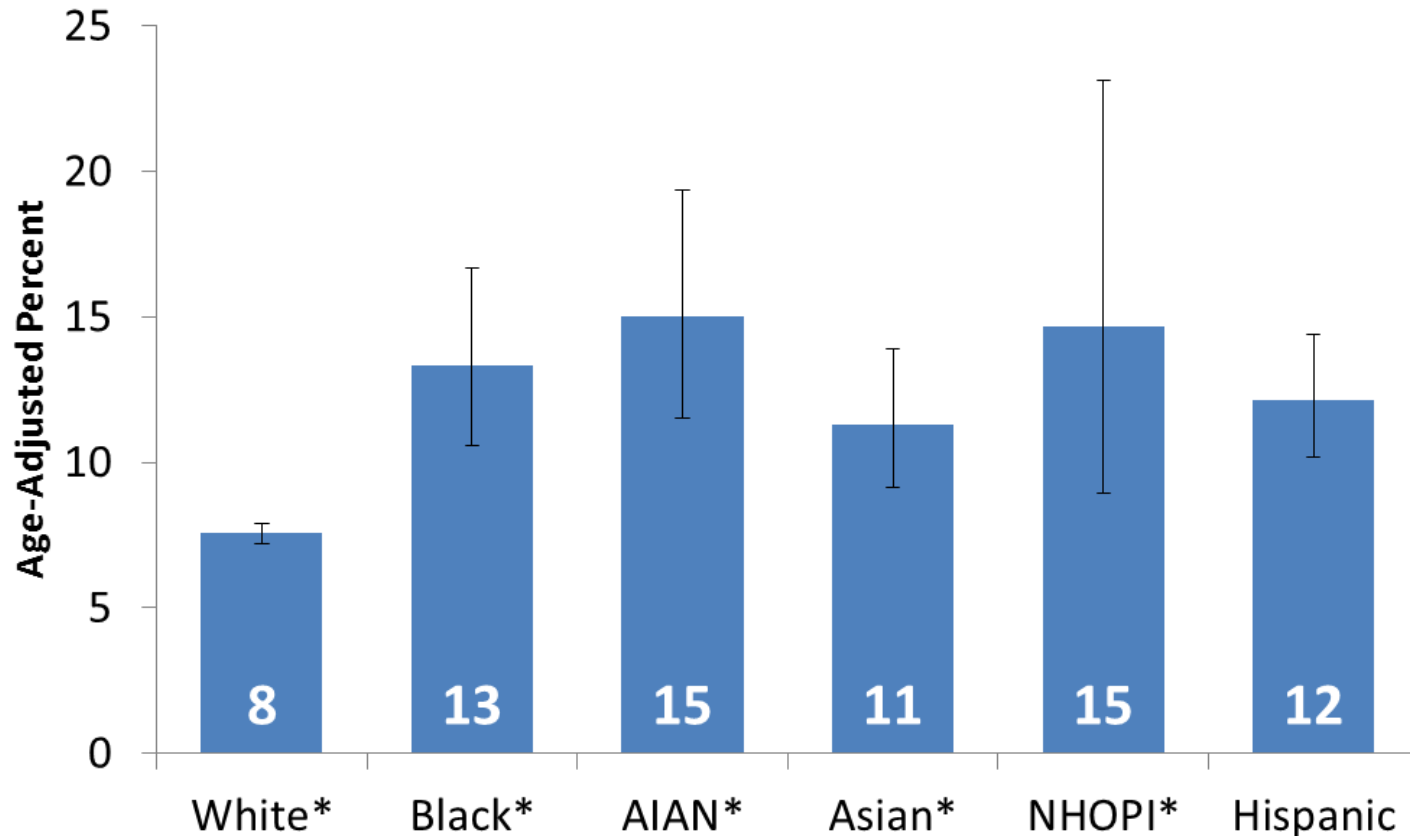
All Site Cancer Incidence Washington 2011



* Non-Hispanic

Source: Washington State Death Certificates, 2013

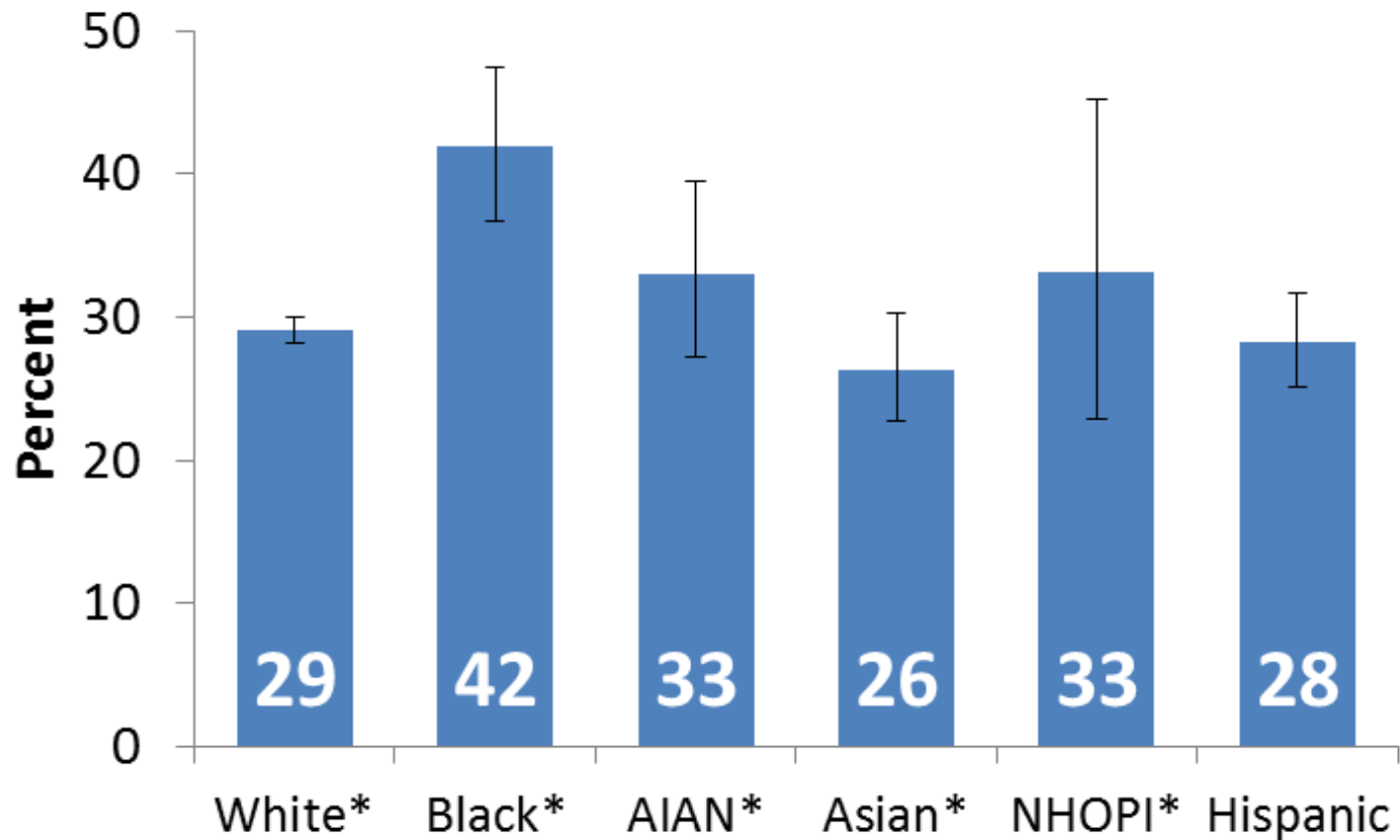
Adult Diabetes (18+ years) Washington 2011-2013



* Non-Hispanic

Source: Washington Behavioral Risk Factor Surveillance System

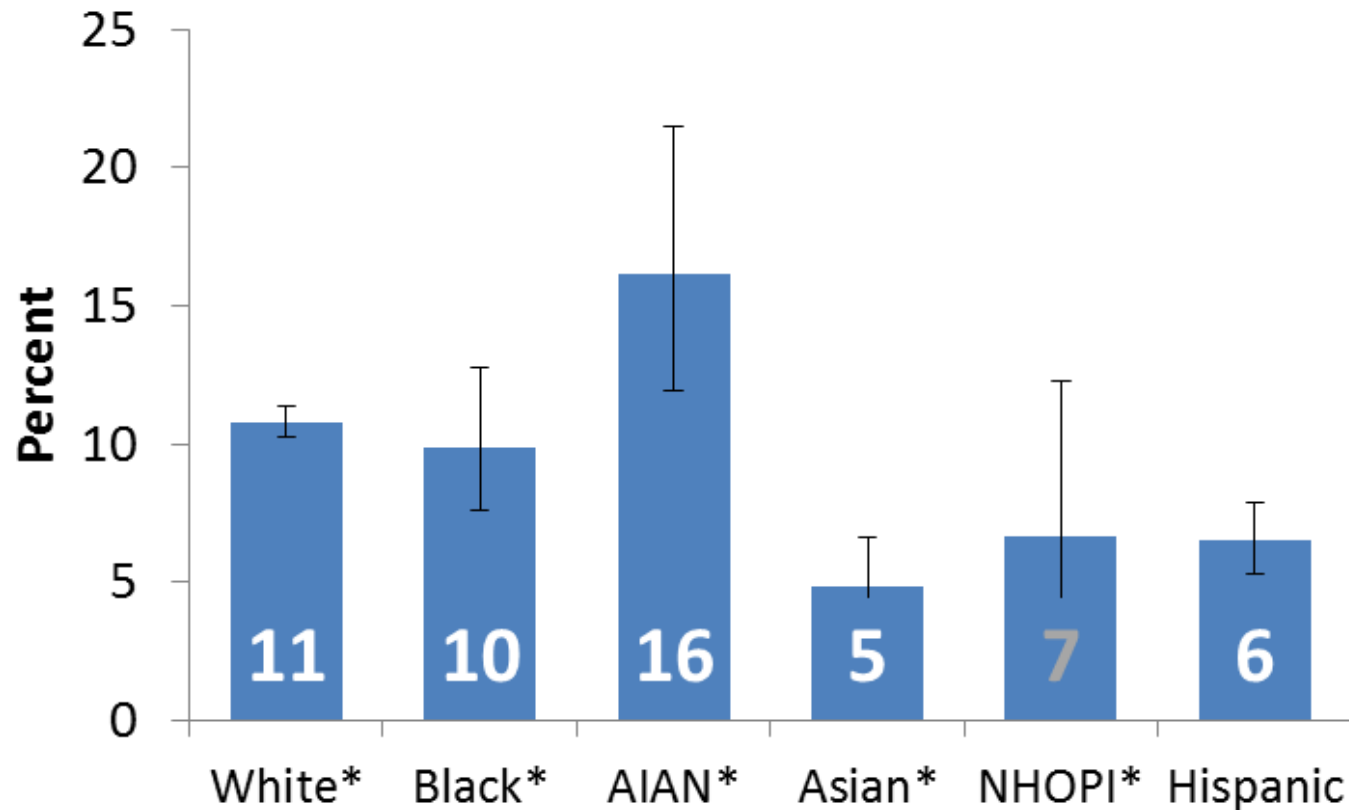
Adult Hypertension (18+ years) Washington 2011-2013



* Non-Hispanic

Source: Washington Behavioral Risk Factor Surveillance System

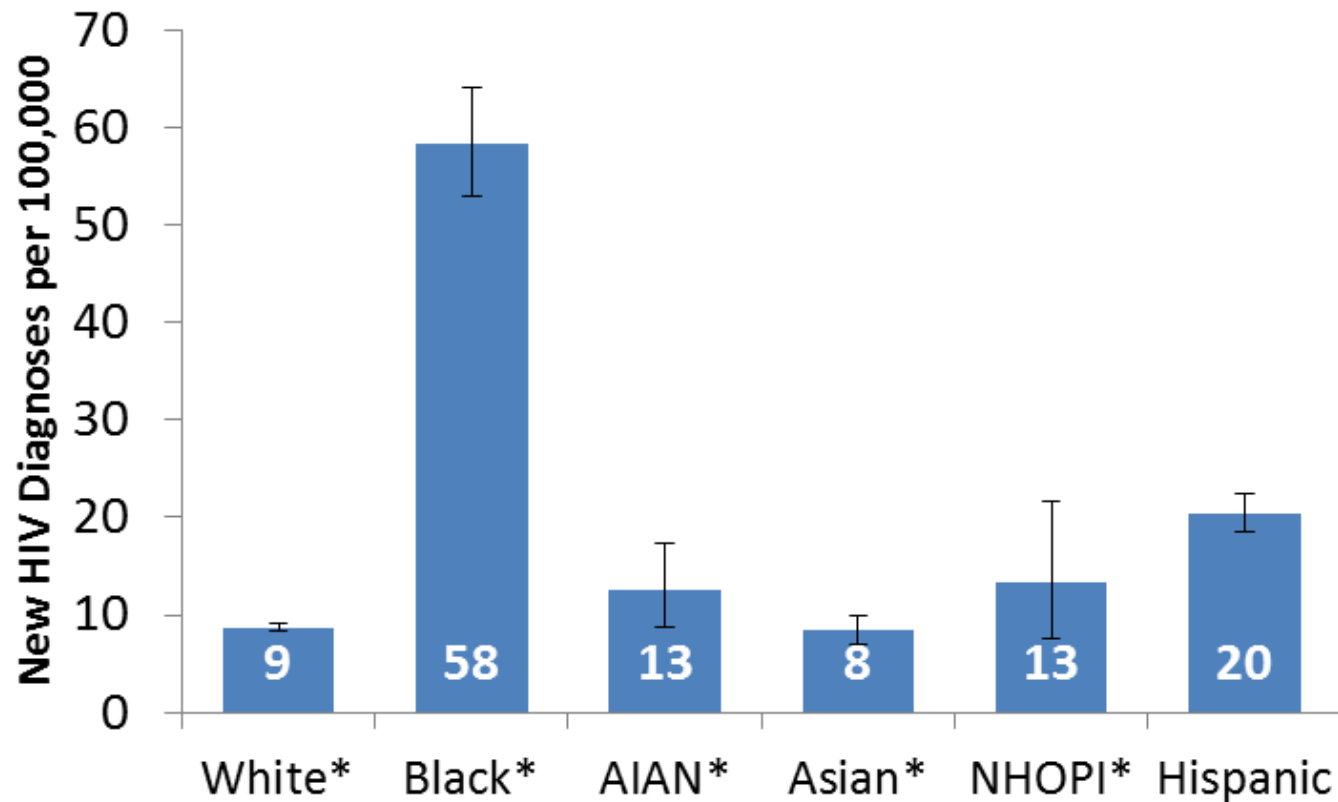
Adult Asthma (18+ yrs) Washington 2011-2013



* Non-Hispanic

Source: Washington Behavioral Risk Factor Surveillance System

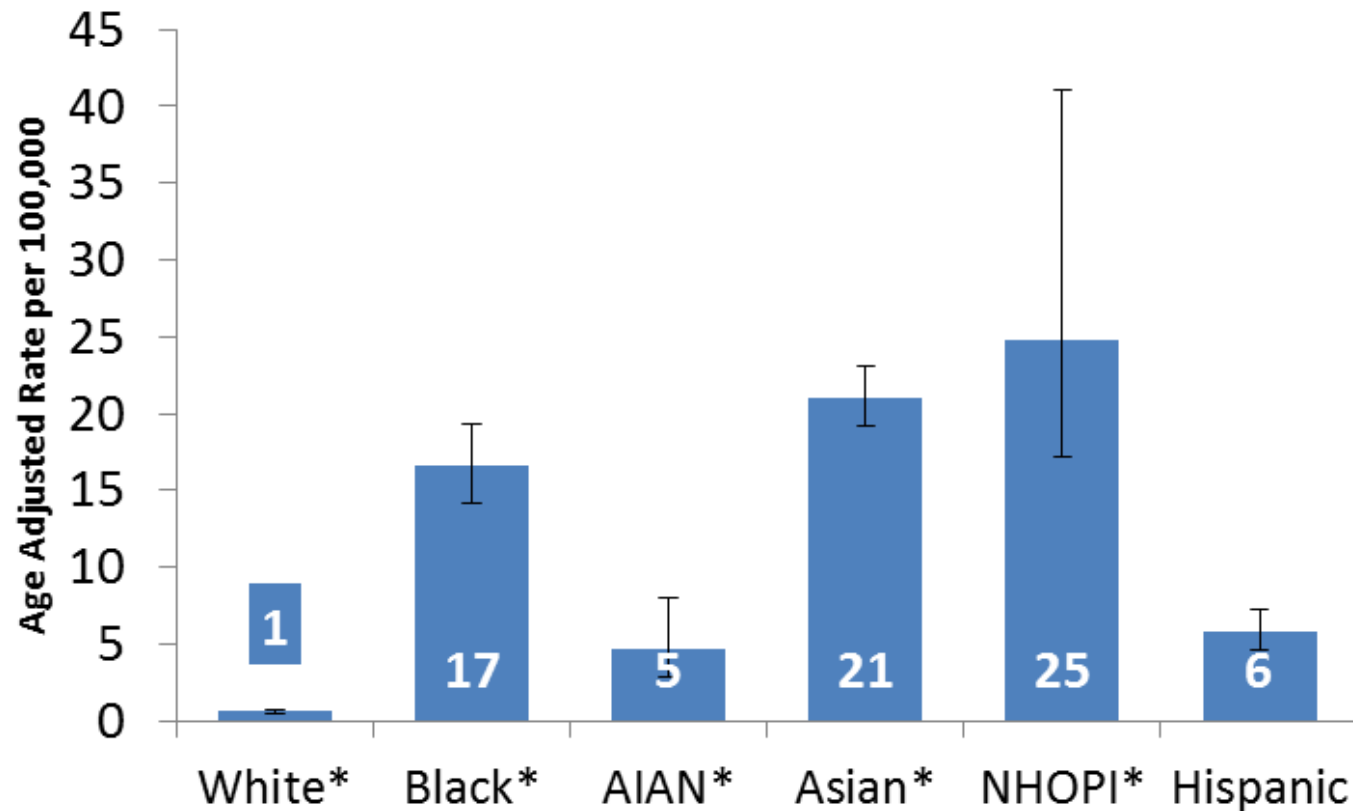
New HIV Diagnoses Washington, 2008-2012



* Non-Hispanic

Source: Washington State Enhanced HIV AIDS Reporting System (eHARS)

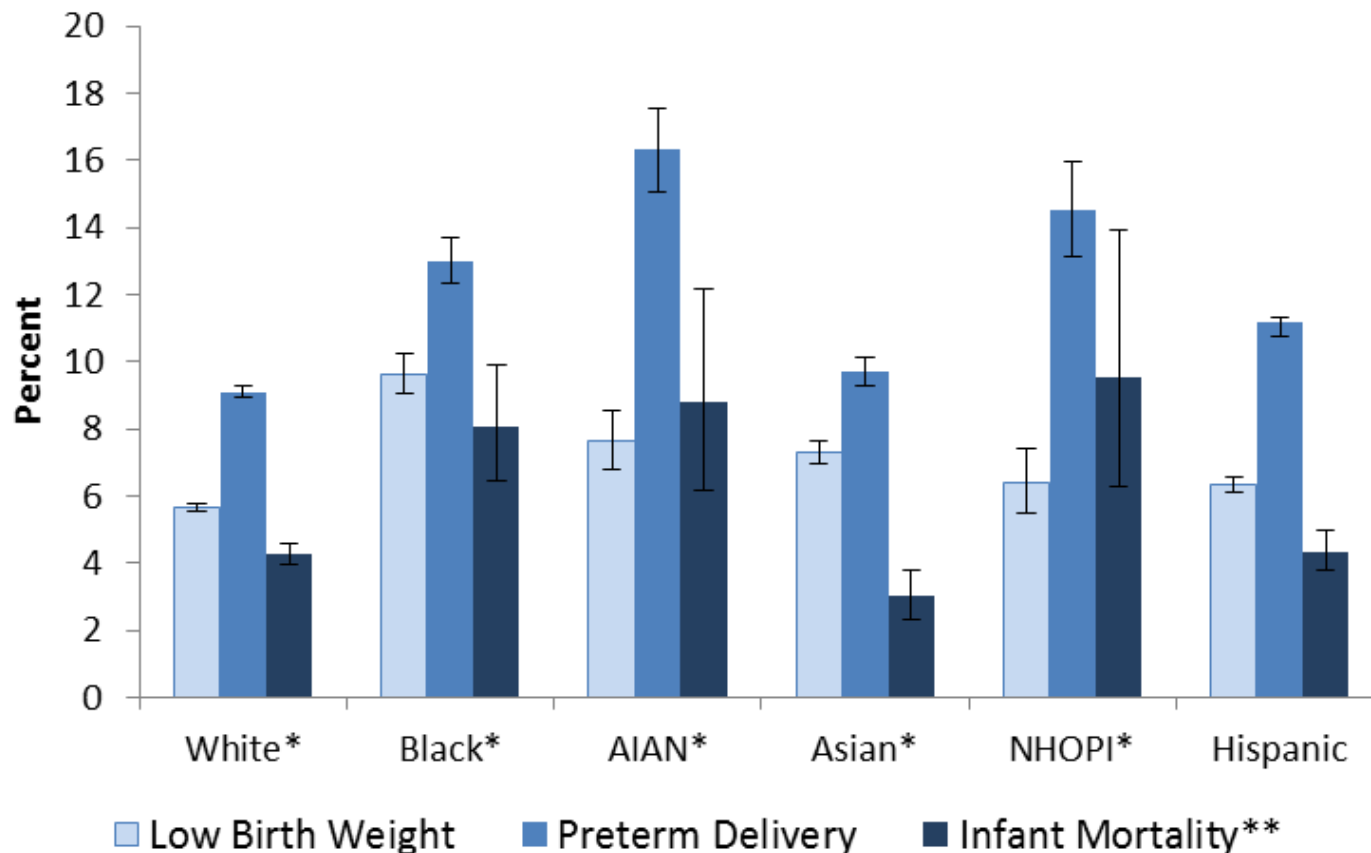
Tuberculosis Incidence Washington 2011-2013



* Non-Hispanic

Source: Washington State Notifiable Conditions Reporting

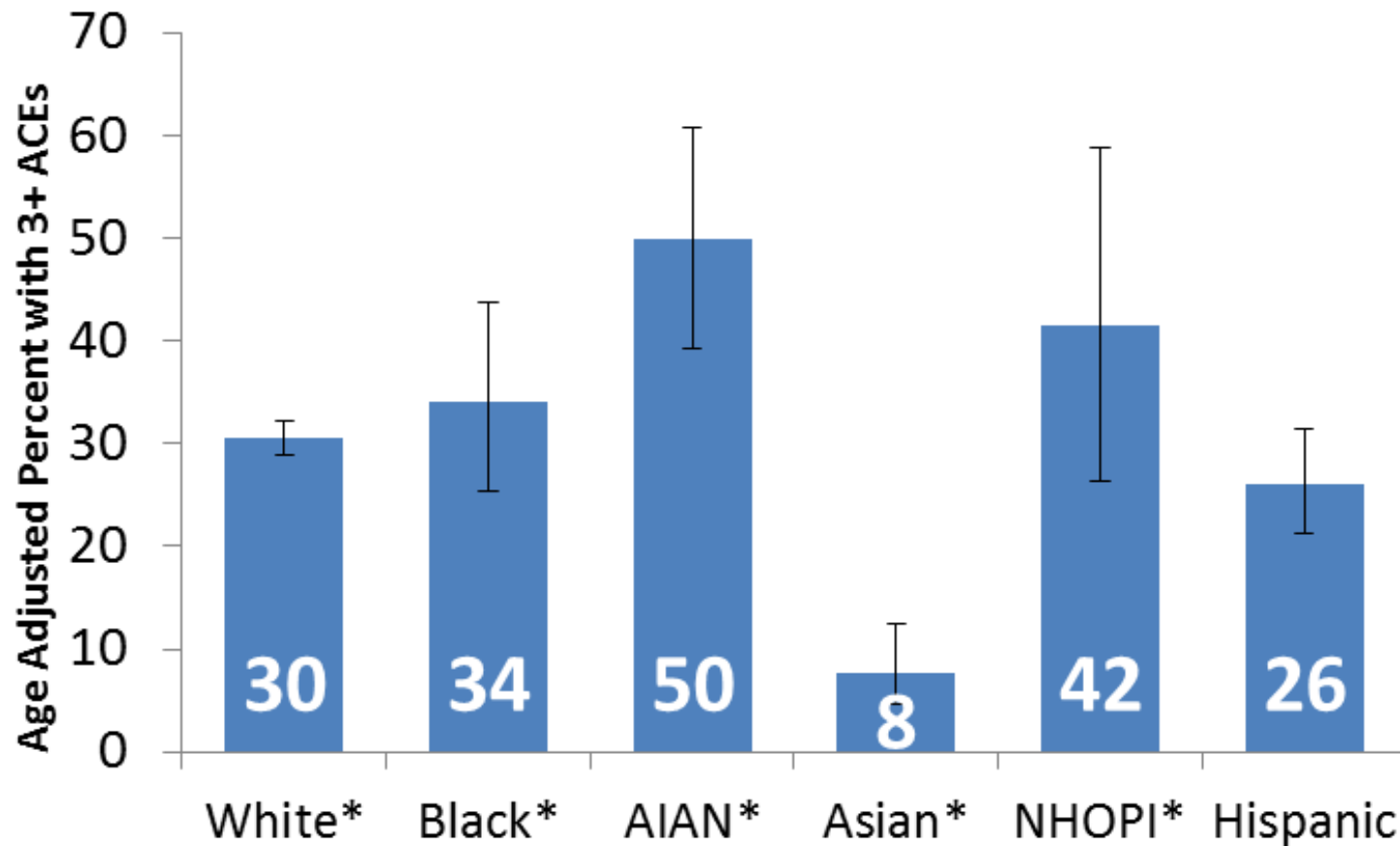
Infant Birth Outcomes Washington 2010-2012



* Non-Hispanic

Source: Washington State Vital Statistics

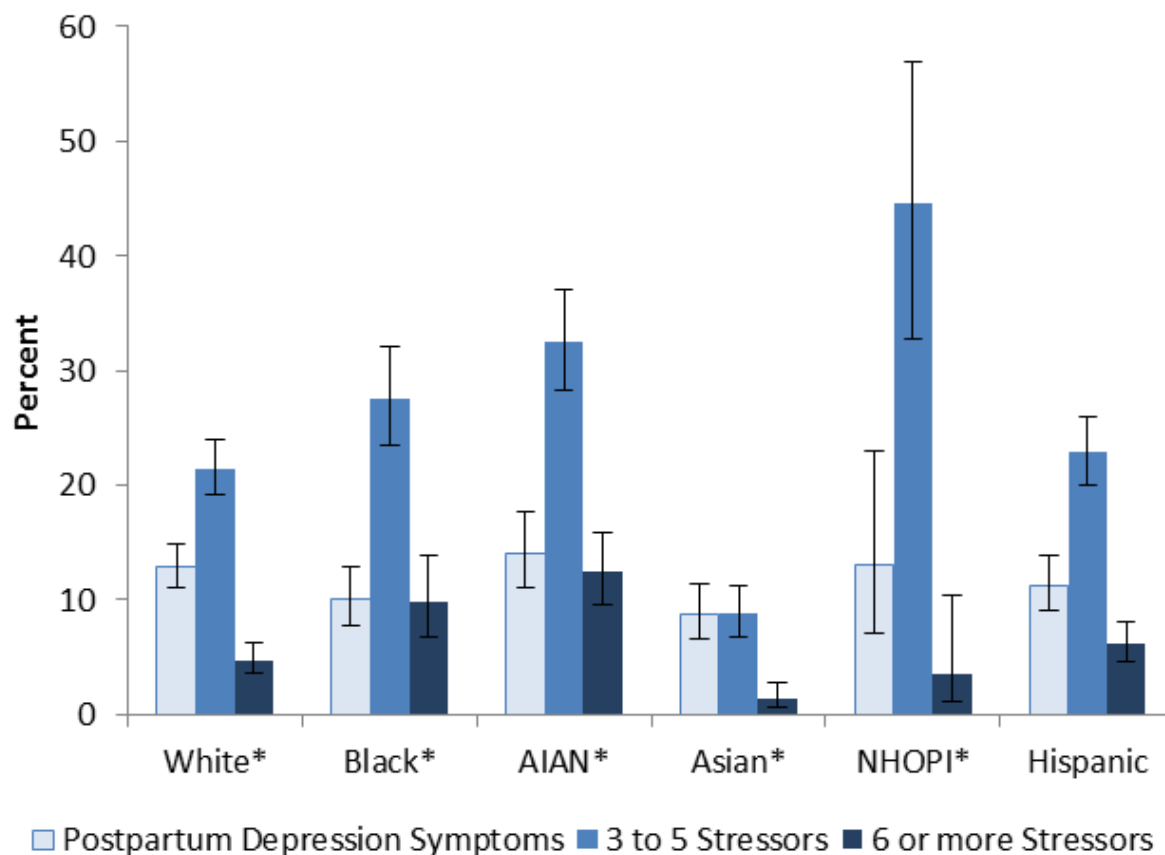
Adult Adverse Childhood Experiences (18+ years) Washington 2011-2013



* Non-Hispanic

Source: Washington Behavioral Risk Factor Surveillance System

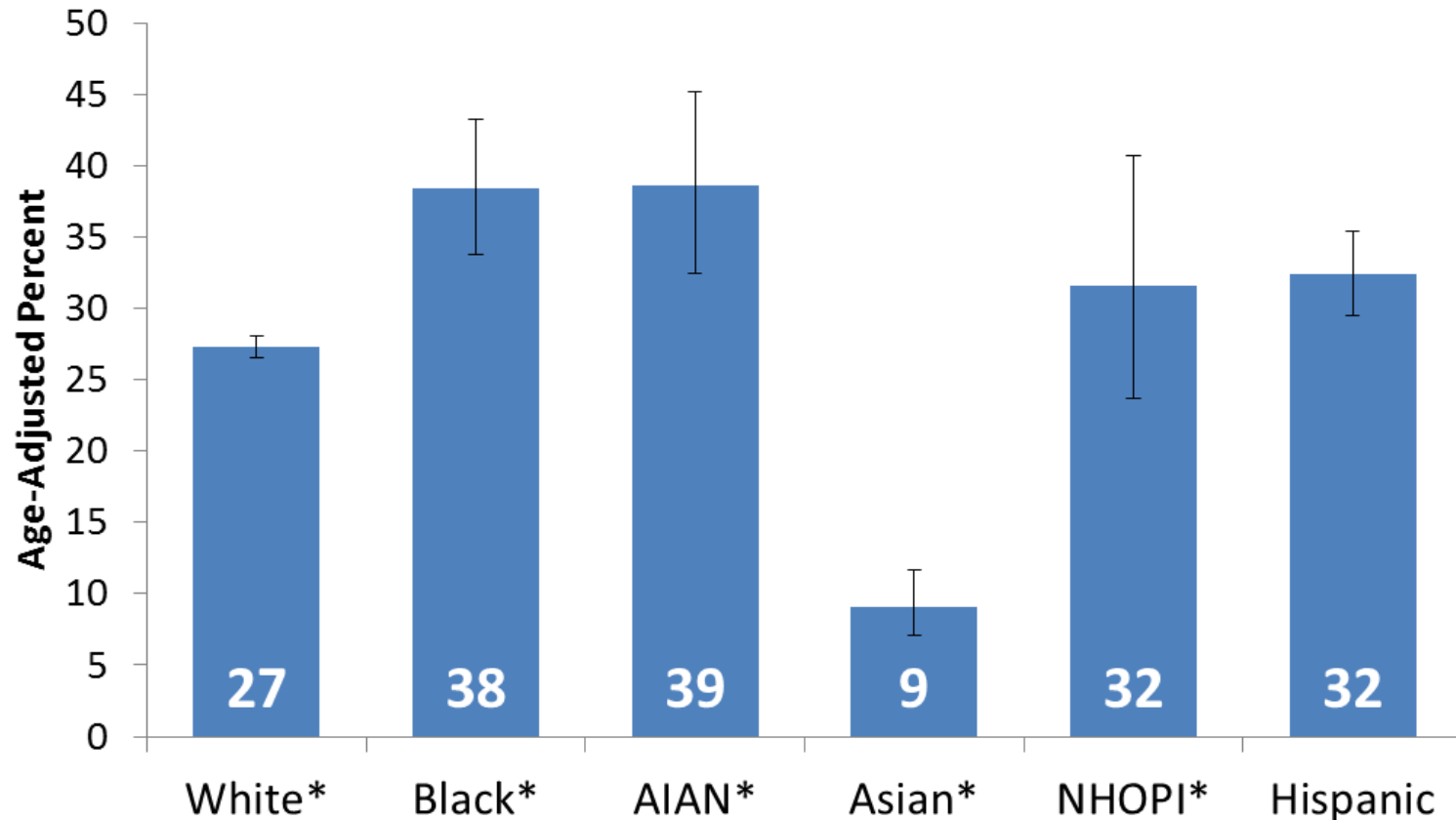
Postpartum Depression Symptoms & Stressors Washington 2009-2011



* Non-Hispanic

Source: Washington Pregnancy Risk Assessment Monitoring System

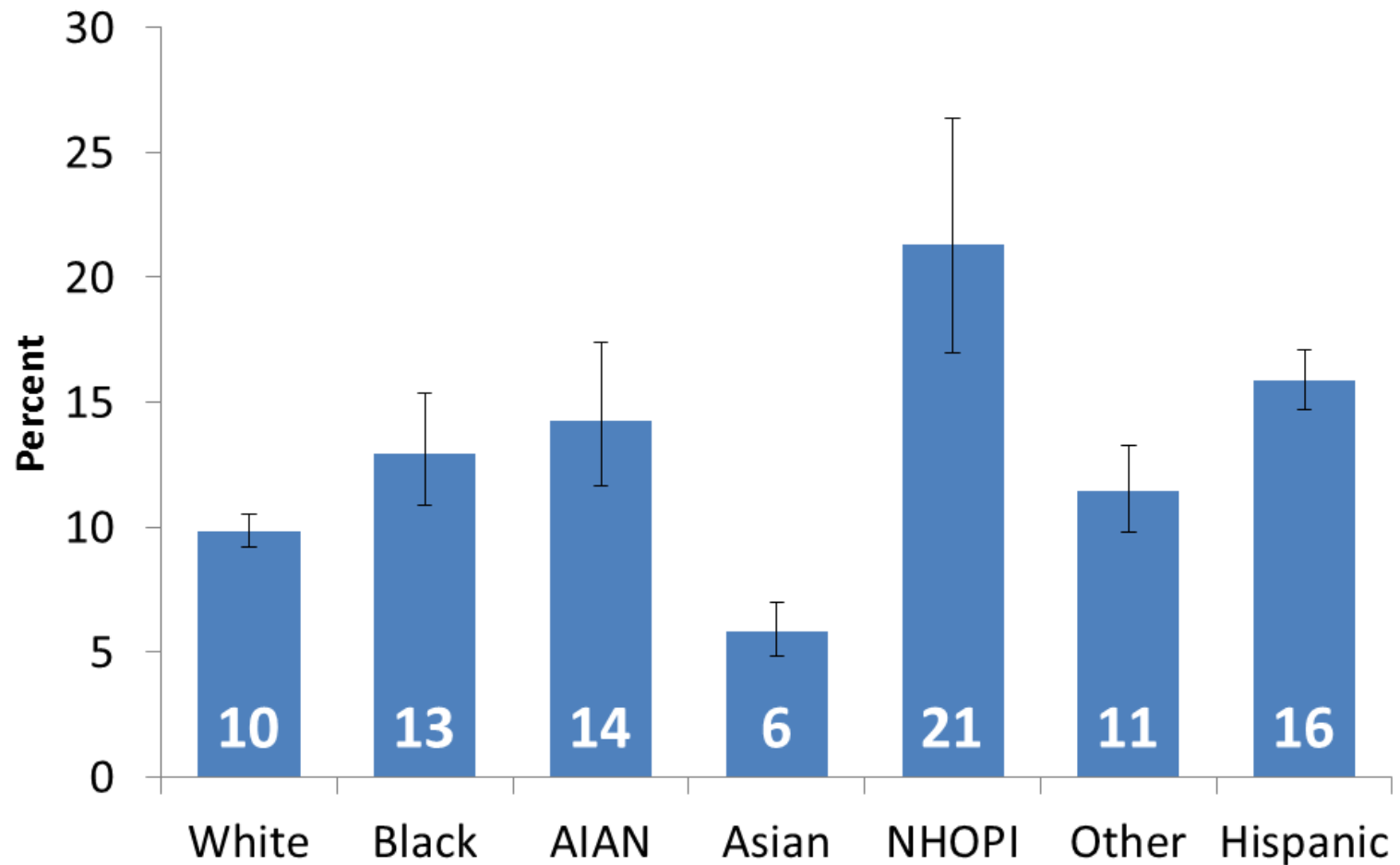
Adult Obesity (18+ years) Washington 2011-2013



* Non-Hispanic

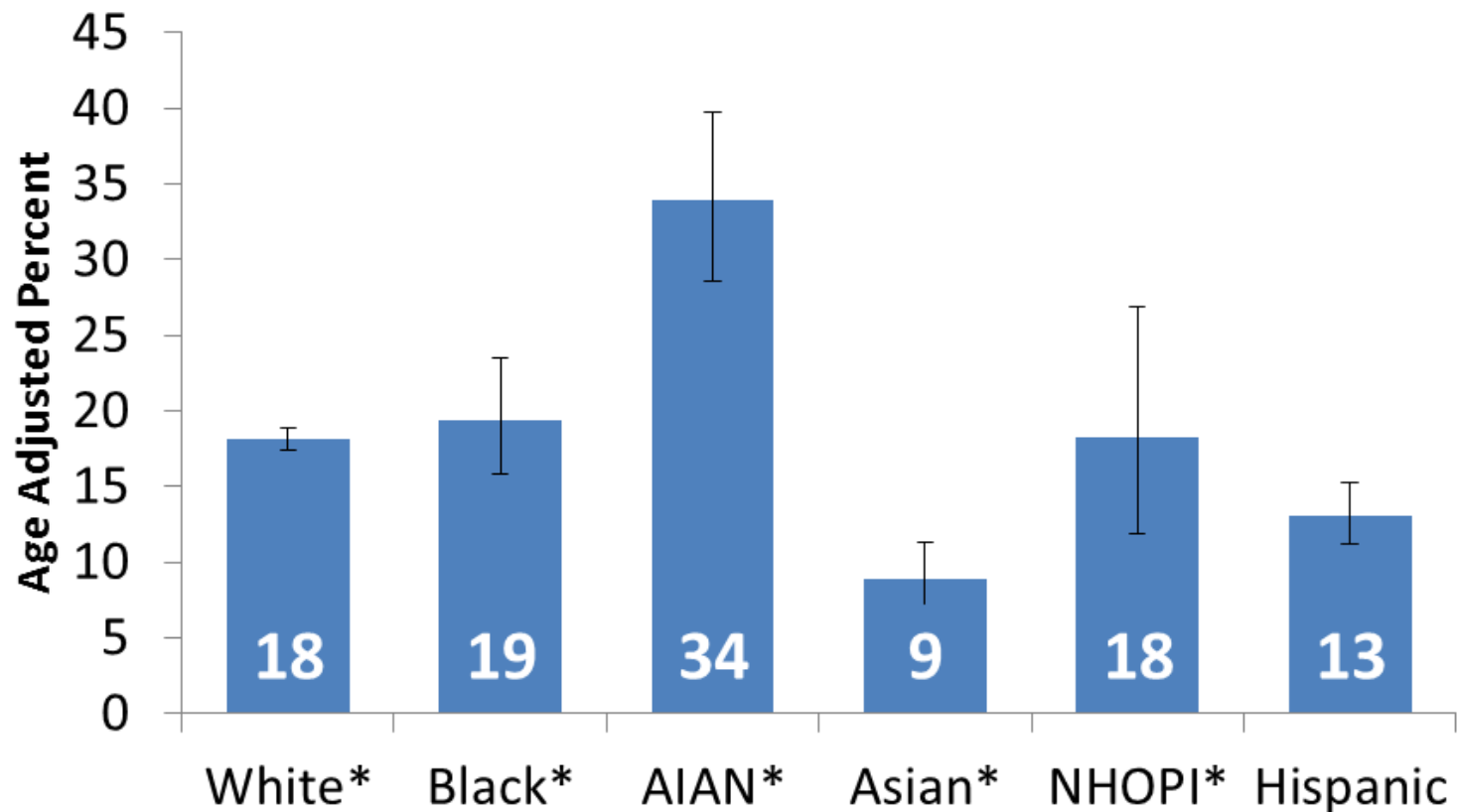
Source: Washington Behavioral Risk Factor Surveillance System

Obesity among 10th Grade Youth Washington 2014



Source: Washington Healthy Youth Survey

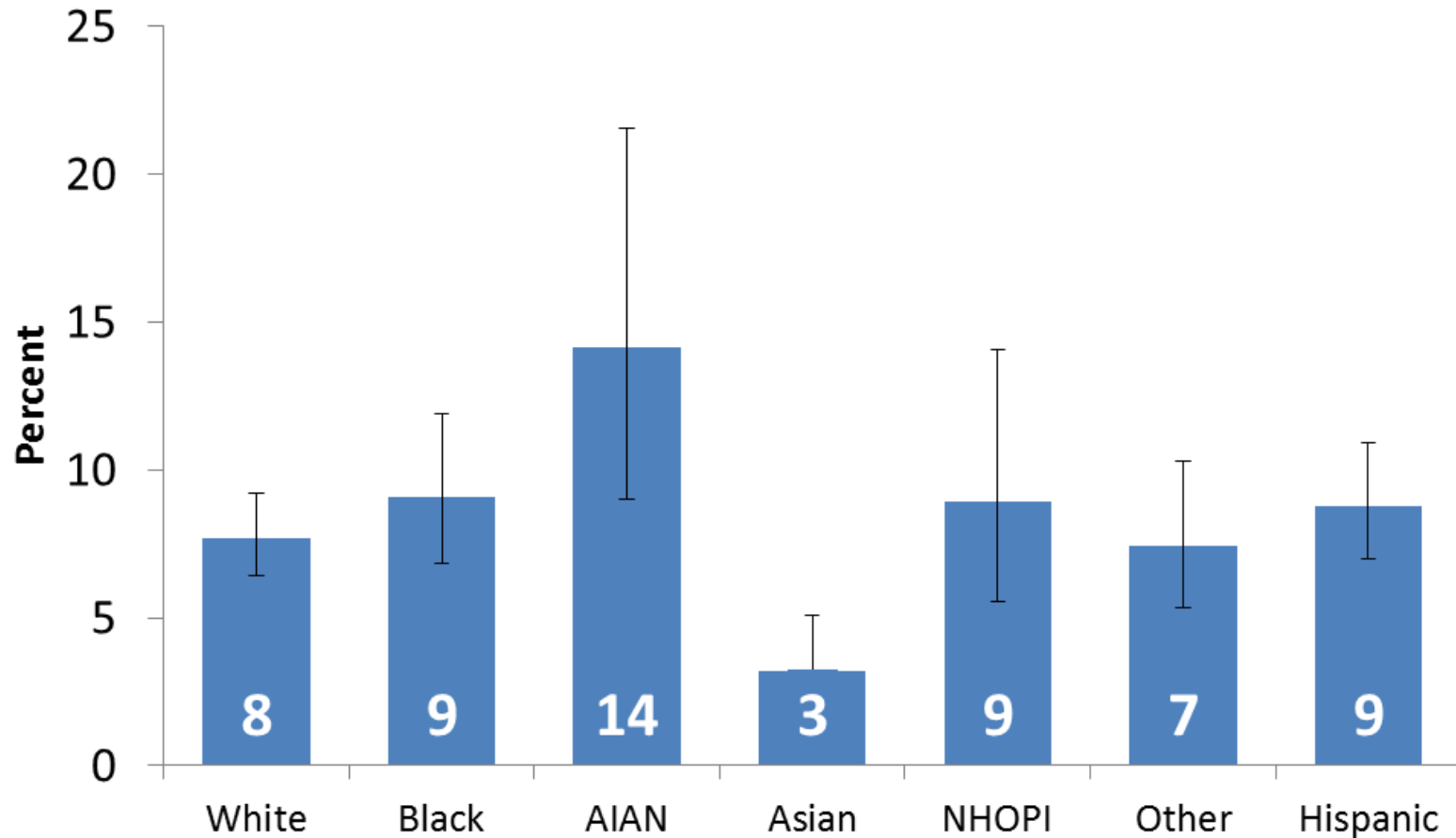
Adult Smoking (18+ years) Washington 2011-2013



* Non-Hispanic

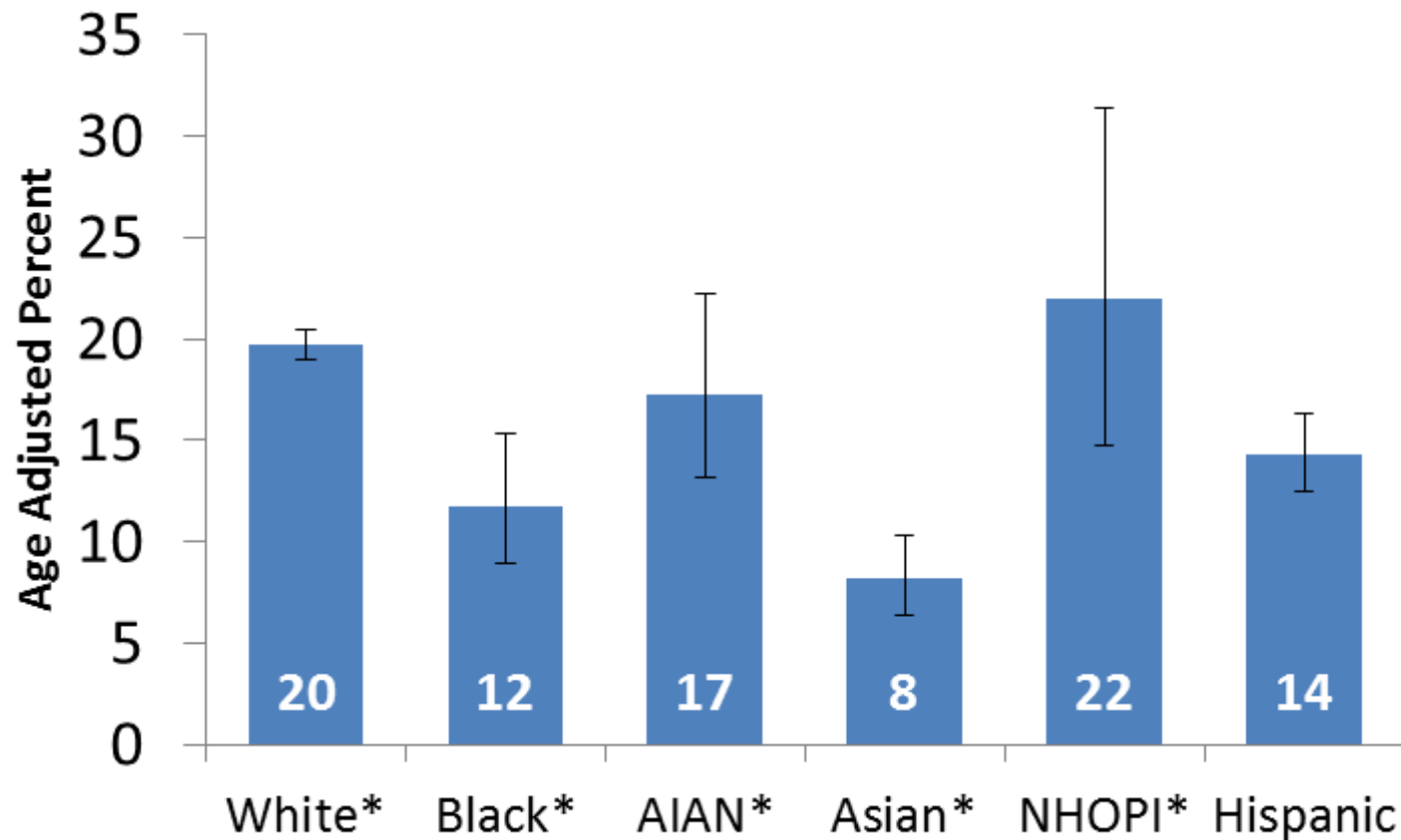
Source: Washington Behavioral Risk Factor Surveillance System

Smoking among 10th Grade Youth Washington 2014



Source: Washington Healthy Youth Survey

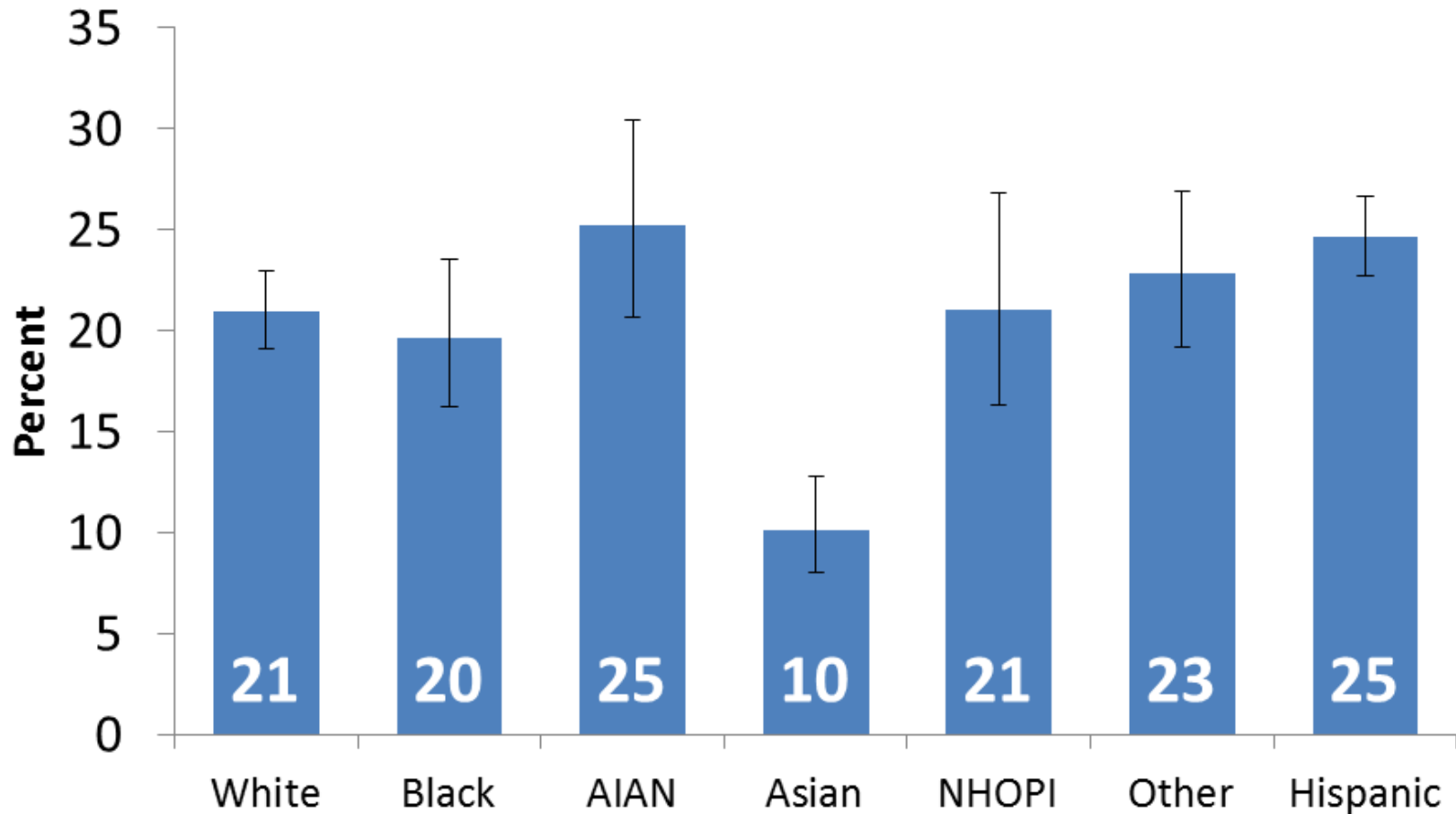
Adult Binge Drinking (18+ years) Washington 2011-2013



* Non-Hispanic

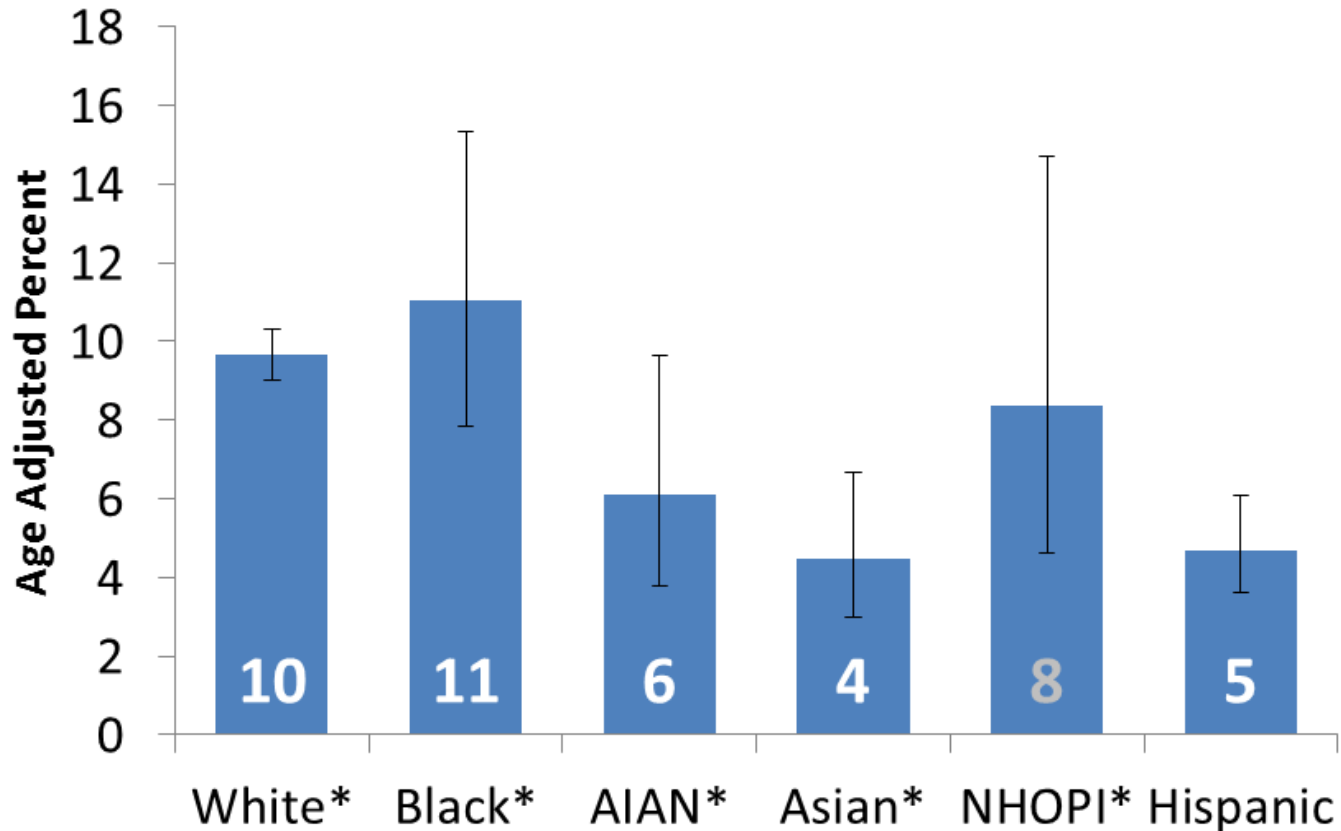
Source: Washington Behavioral Risk Factor Surveillance System

Alcohol Use among 10th Grade Youth Washington 2014



Source: Washington Healthy Youth Survey

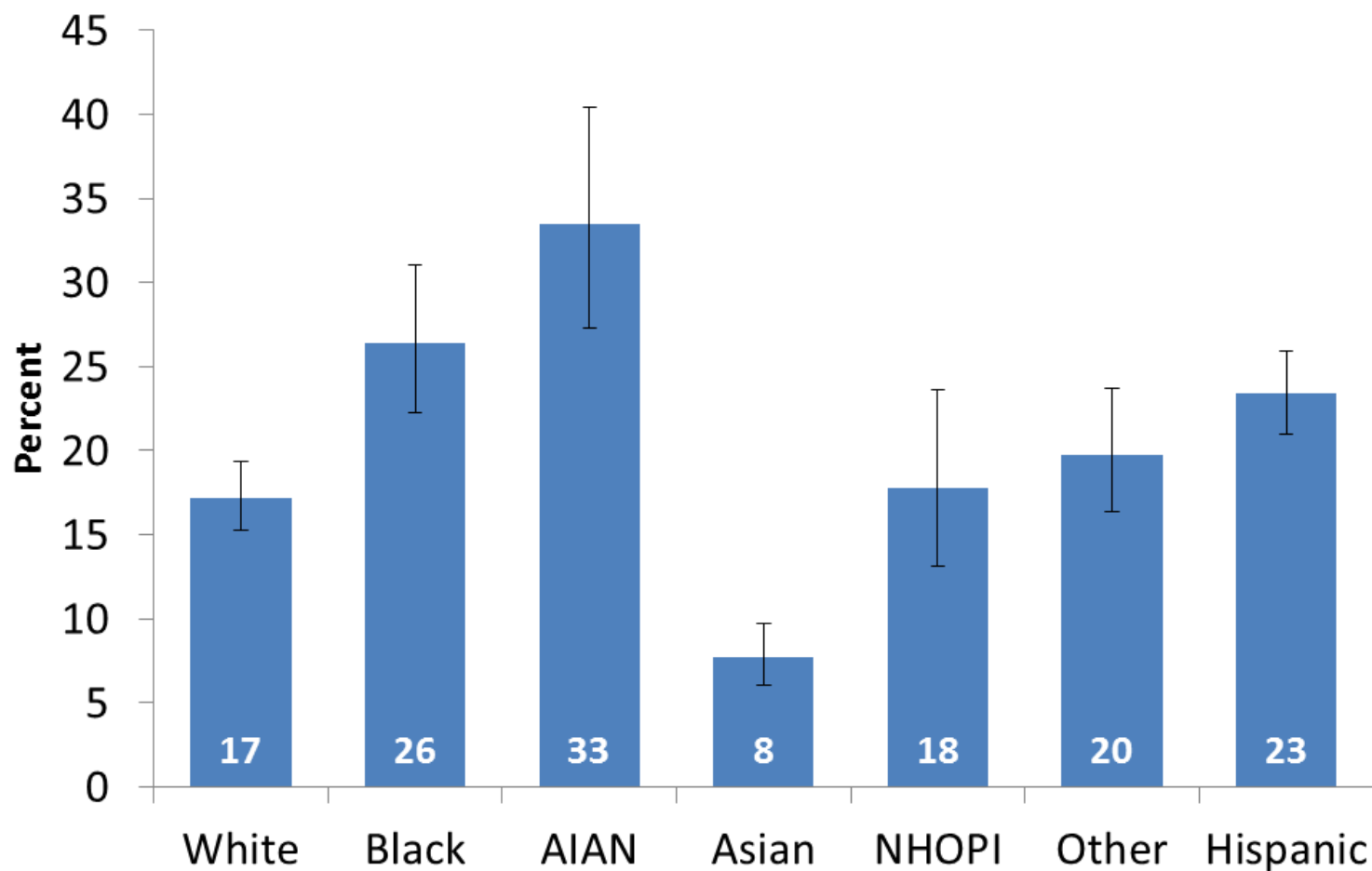
Adult Marijuana Use (18+ years) Washington 2011-2013



* Non-Hispanic

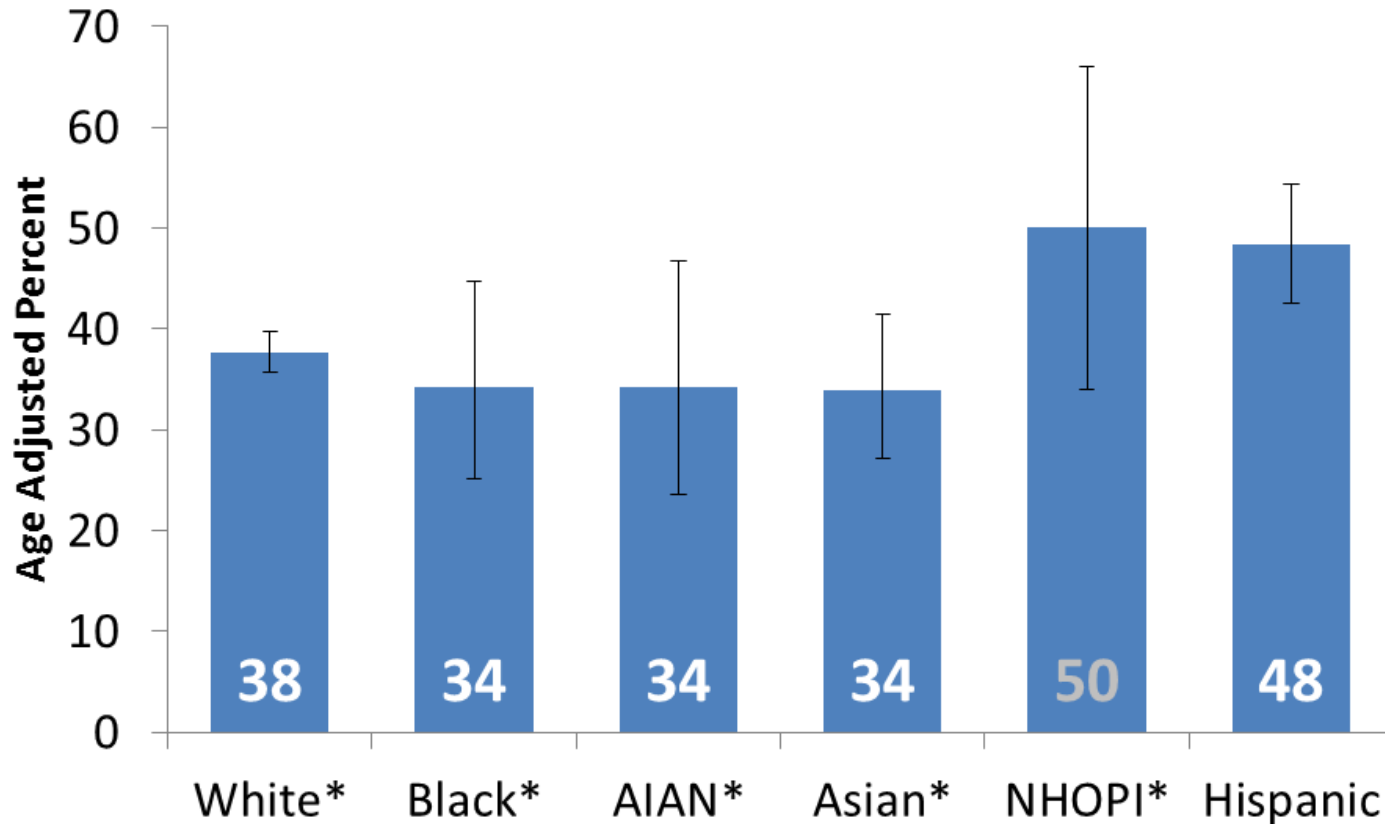
Source: Washington Behavioral Risk Factor Surveillance System

Marijuana Use among 10th Grade Youth Washington 2014



Source: Washington Healthy Youth Survey

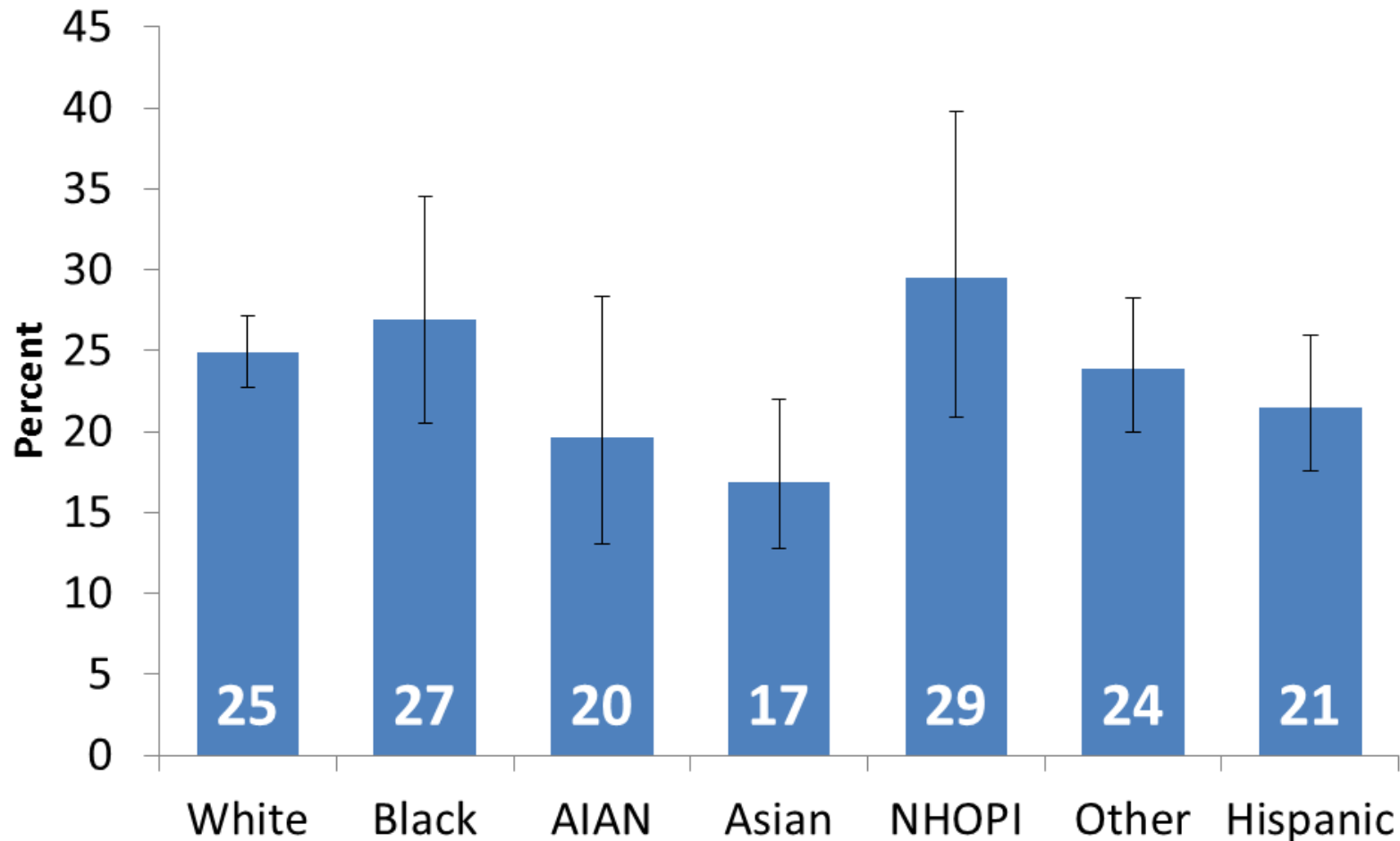
Adult Low Physical Activity (18+ years) Washington 2011-2013



* Non-Hispanic

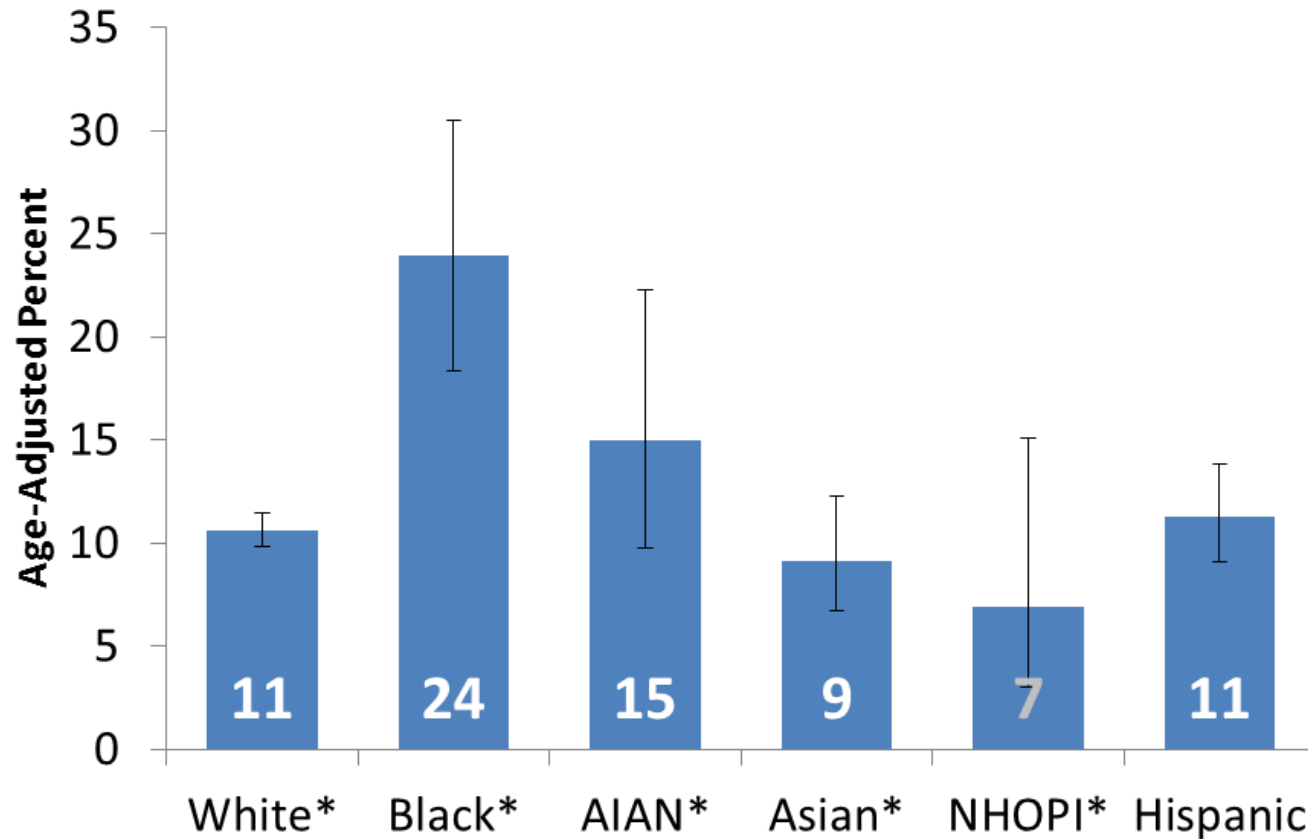
Source: Washington Behavioral Risk Factor Surveillance System

Physical Activity among 10th Grade Youth Washington 2014



Source: Washington Healthy Youth Survey

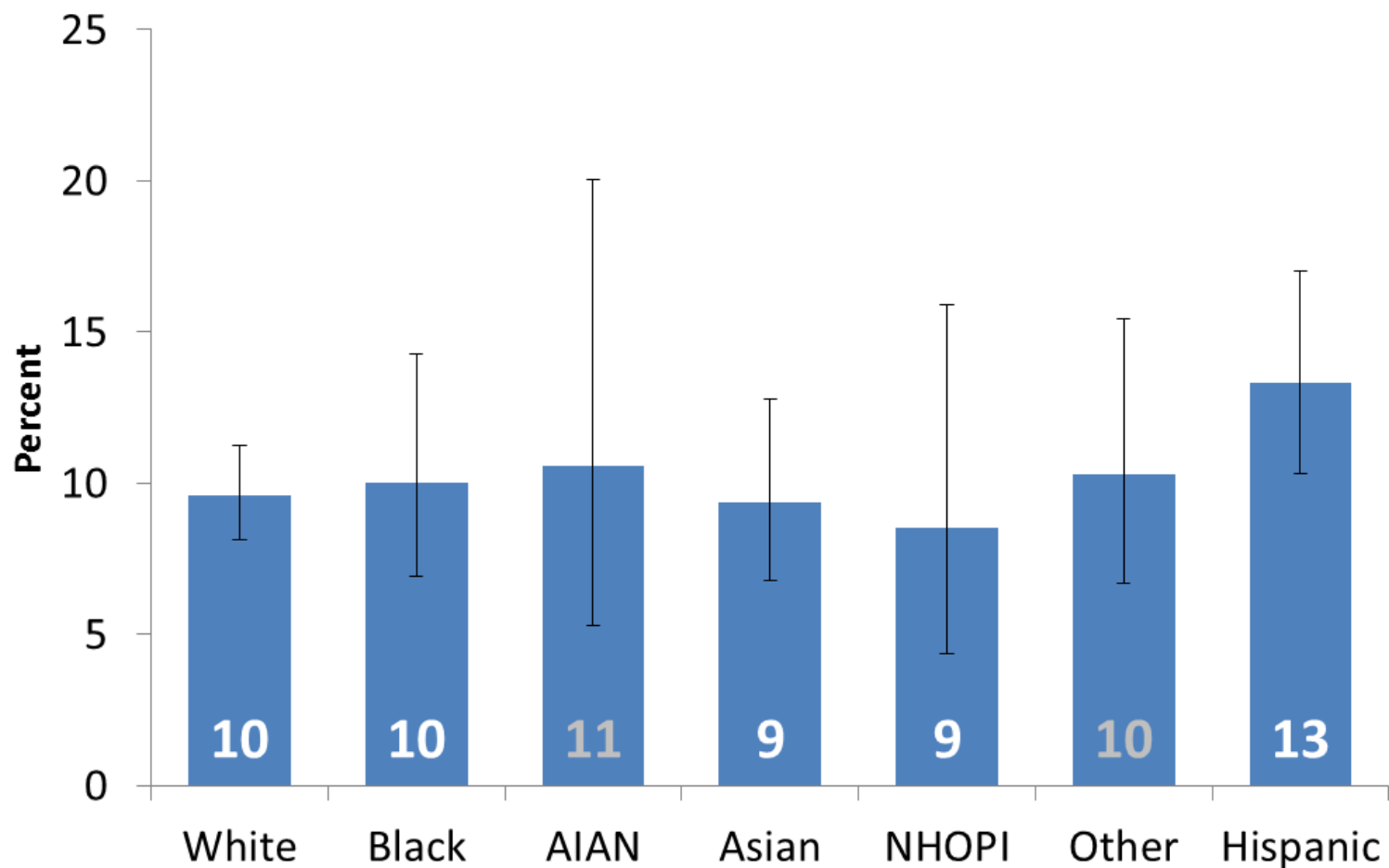
Adult Poor Nutrition (18+ years) Washington 2011-2013



* Non-Hispanic

Source: Washington Behavioral Risk Factor Surveillance System

No Fruits/Vegetables among 10th Grade Youth Washington 2014



Source: Washington Healthy Youth Survey

High Risk Disease & Risk Factors

AIAN*

- CHD Deaths
- Drug Induced Deaths
- Suicide
- Alcohol Deaths
- Diabetes
- Chr Lower Resp Dx
- Motor Vehicle Crash
- Asthma
- Preterm Delivery
- Infant Mortality
- ACEs & stressors
- Obesity
- Smoking
- Alcohol use

Black*

- Diabetes
- Chr Lower Resp Dx
- Cancer
- Hypertension
- HIV
- Tuberculosis
- Preterm Delivery
- Low Birth Weight
- Infant Mortality
- Obesity
- Marijuana Use
- Poor Nutrition

NHOPI*

- CHD Deaths
- Diabetes
- Chr Lower Resp Dx
- Cancer
- Tuberculosis
- Preterm Delivery
- Infant Mortality
- Preg Stressors
- Obesity
- Alcohol Use

* Non-Hispanic

High Risk Disease & Risk Factors

White

- Suicide
- Chr Lower Resp Dx
- Cancer
- Obesity
- Alcohol Use
- Marijuana Use

Hispanic

- Obesity
- Low Physical Activity

Asian*

- Tuberculosis

* Non-Hispanic



- What information presented today do you find most compelling?
- In addition to what you learned today, what other data or information do you need to help with Council planning?
- How do you envision using this information to prioritize, strategize and plan Council activities?